CONSTRUCTION NEWS

Engineering News-Record, June 4, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Roads, Corsicana, Tex., Navarro Co. bond election, $7,000,000.

Office, New York, N. Y., Mandel-Ehrlich Corp. having plans prepared, $7,000,000.

Office, New York, N. Y., Mandelbaum & Levine, having plans prepared, $6,000,000.

Office, New York, N. Y., Royal Insurance Co., Ltd., having plans prepared, $4,000,000.

University building, Berkeley Calif., state plans bond election, $3,000,000.

Warehouse, Houston, Tex., G. B. Post & Son plan to build, $3,000,000.

Apartment hotel, Brooklyn, N. Y., Leverich Towers having plans prepared, $3,000,000.

Church and hotel, New York, N. Y., Calvary Baptist Church having plans prepared, $2,000,000.

Bridge, Missouri, Special Co. plans bridge, $2,000,000.

Hotel, New York, N. Y., Rosenzweig Bros. having plans prepared, $2,000,000.

Apartment, New York, N. Y., Vogel & Schultz plan building, $2,000,000.

Bridge, Vincennes, Ind., State Hy. Dept. plan bridge, $2,000,000.

Hotel, Miami, Fla., East Coast Enterprise, Inc., plans hotel, $2,000,000.

Apartment, New York, N. Y., H. A. Murray having plans prepared, $1,500,000.

Bids Wanted On Big Jobs

Legislative Hall, Olympia, Wash., June 30 by State Com., $3,750,000.

Offices, New York, N. Y., June 15 by Sloan and Robertson, $2,500,000 and $200,000 respectively.

Road Impt. June 2, Minnesota, State Hy. Dept., $1,800,000.

Temple, June 25, Dayton, O., by Dayton Masonic Lodge, $1,500,000.

Large Contracts Let During Week

Subway, New York, N. Y., Bd. of Transportation to A. A. Johnson Corp., $3,651,000; to McElroy & Kenvin, $73,915.

Pipe line, Texas, Houston Pipe Line Co. to E. A. MacPherson, $3,600,000.

Hydro-Electric development, Saluda, N. C., Blue Ridge Power Co. to Rinehart & Dennis Co., $2,000,000.

Apartment, New York, N. Y., L. E. Kleban, Inc., $1,500,000.

Hotel, Canton, O., Stark Hotel Co. to Caldwell & Evans, $1,500,000.

Office, Minneapolis, Minn., M. T. Baker to J. Leck Co., $1,000,000.

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close		See Eng. News-Record
WATERWORKS		
June 5	Cincinnati, O.	June 4
June 5	Windsor, Ont.	June 4
June 8	Gainesville, Fla. Adv. May 21 to June 4.	May 21
June 8	Springfield, Ill.	June 4
June 8	Milwaukee, Wis.	June 4
June 9	New York	June 4
June 9	Montclair, N. J.	May 28
June 10	Baltimore, Md.	June 4
June 10	Minneapolis, Minn.	June 4
June 11	Marion, Ky. Adv. May 28 and June 4.	May 28
June 11	Cavour, S. D.	June 4
June 12	Windsor, Ont.	June 4
June 12	Wewoka, Okla.	May 28
June 12	Rockham, S. D.	June 4
June 12	Medford, Wis.	June 4
June 15	Tuscaloosa, Ala.	May 21
June 15	Manchester, N. H.	June 4
June 17	Willard, N. Y. Adv. May 28 and June 4.	May 28
June 18	Mansfield, O.	June 4
June 24	Greenville, S. C. Adv. May 21 to June 4.	May 21
June 25	Medina, O.	June 4
June 30	Macon, Ga. Adv. June 4.	June 4
July 20	Oakland, Calif. Adv. June 4.	June 4
SEWERS		
June 5	Lackawanna, N. Y.	May 14
June 5	Gettysburg, Pa.	May 28
June 5	Sankertown (mail Johnstown), Pa.	June 4
June 8	Maryland Adv. May 21 to June 4.	May 21
June 8	Boston, Mass.	May 28
June 8	San Fernando, Calif.	May 28
June 8	Akron, O.	June 4
June 8	Port Washington, Wis.	June 4
June 8	Port Arthur, Tex.	June 4
June 8	Detroit, Mich.	June 4
June 9	Forest City, N. C.	June 4
June 9	St. Louis, Mo.	May 21
June 9	Mt. Pleasant, N. Y.	May 21
June 9	Montclair, N. J.	May 28
June 9	Holdredge, Wis.	May 28
June 9	Phila., Pa.	June 4
June 10	Norfolk, Va.	May 28
June 10	Dumont, N. J. Adv. June 4.	June 4
June 10	Cleveland, O.	June 4
June 10	Port Arthur, Tex.	June 4
June 12	Cincinnati, O.	June 4
June 15	New Castle, Pa. Adv. May 21 to June 4.	May 28
June 15	Manchester, N. H. Adv. June 4.	June 4
June 15	Centerville, Ia.	June 4
June 16	Salisbury, Md. Adv. May 14 to June 4.	May 14
June 16	Clewiston, Fla.	May 21
June 16	Wheaton, Ill.	May 28
June 16	Dickson, Tenn.	June 4
June 16	Centerville, Ia.	June 4
June 18	Brighton (Ind. Sta. Rochester), N. Y. Adv. June 4.	June 4
June 19	Baltimore, Md.	June 4
June 22	Catonsville (Br. Baltimore), Md. Adv. June 4.	June 4
June 25	Kansas City, Mo.	June 4
June 25	Medina, O.	June 4
June 30	Louisville, Ky. Adv. June 4.	June 4
BRIDGES		
June 5	Dayton, O.	June 4
June 8	Gloucester, N. J.	May 28
June 8	Cincinnati, O.	June 4
June 8	Washington, Pa.	June 4
June 9	Washington, D. C.	May 14
June 9	Chester, Pa.	May 21
June 9	Bastrop, La.	May 28
June 9	North Carolina	June 4
June 9	Somerville, N. J.	June 4
June 13	Beaver, Ark.	June 4
June 15	New Jersey Adv. June 4.	June 4
June 15	Pismo (Pismo Beach P. O.), Calif.	June 4
June 16	Louisiana	May 28
June 16	Minnesota	June 4
June 17	Alabama	May 21
June 22	California	June 4
June 22	New Jersey Adv. June 4.	June 4
June 30	Tampa, Fla. Adv. May 28 and June 4.	May 28
July 8	Alabama	June 4
EXCAVATION, DRAINAGE IRRIGATION, LEVEES		
June 5	Saulte Ste. Marie, Mich.	May 21
June 6	Cairo, Ill.	May 28
June 10	Shreveport, La.	June 4
June 10	Fairmont, Minn.	June 4
June 11	Webster City, Ia.	June 4
June 15	Leesburg, Fla. Adv. May 14 to June 4.	May 14
STREETS AND ROADS		
June 5	New York Adv. May 21 to June 4.	May 28
June 5	Roselle Park (Ind. Br. Elizabeth), N. J.	May 28
June 5	Cincinnati, O.	June 4
June 5	Mt. Oliver, Pa.	June 4
June 6	Hattiesburg, Miss.	June 4
June 8	Milwaukee, Wis.	June 4
June 8	New York, N. Y.	June 4
June 8	Kentucky	May 21
June 8	New Jersey	May 28
June 8	Southmont, Pa.	May 28
June 8	Lambertville, N. J.	May 28
June 8	Long Island City, N. Y.	June 4
June 8	Washington, Pa.	June 4
June 8	Council Bluffs, Ia.	June 4
June 8	Madrid, Ia.	June 4
June 8	Michigan	June 4
June 9	New Jersey	June 4
June 9	Ontario	June 4
June 9	St. Louis, Mo.	May 28
June 9	Washington	May 28
June 9	Holdredge, Neb.	May 28
June 9	Seattle, Wash.	May 28
June 9	North Carolina	May 28
June 9	Pennsylvania	June 4
June 9	Columbus, O.	June 4
June 9	Rocky River, O.	June 4
June 9	Palestine, Tex.	June 4
June 9	Milwaukee, Wis.	June 4
June 10	Pekin, Ill. Adv. May 28 and June 4.	June 4
June 10	Duluth, Minn.	Apr. 9
June 10	Corning, Calif.	May 28
June 10	Brooklyn, N Y.	June 4
June 10	Norwood, N. J. Adv. June 4.	June 4
June 11	Gananoque, Ont.	June 4
June 11	Jackson, Tenn.	June 4
June 11	North Dakota	June 4
June 11	Gatesville, Tex.	June 4
June 11	Henderson, Ky.	June 4
June 11	New York, N. Y.	June 4
June 12	Cartersville, Ga.	June 4
June 12	Okemah, Okla.	June 4
June 12	Wauwatosa, Wis.	June 4
June 12	Michigan	June 4
June 12	Alpine, Tex.	June 4
June 12	Jourdanton, Tex.	June 4
June 14	Moundsville, W. Va.	May 28
June 15	Anderson, Ind.	May 28
June 15	Crestview, Fla.	May 28
June 15	Minneapolis, Minn.	May 28
June 15	California	June 4
June 15	New Jersey Adv. June 4.	June 4
June 15	Richmond, Tex.	June 4
June 15	Kirksville, Mo.	June 4
June 15	Akron, O.	June 4
June 15	Oklahoma	June 4
June 15	Drumright, Okla.	June 4
June 16	Minnesota	June 4
June 16	Hudson, N. Y. Adv. June 4.	June 4
June 16	Cheswick, Pa.	June 4
June 17	Phila., Pa. Adv. May 21 to June 4.	May 21
June 17	Belvidere, N J. Adv. June 4.	June 4
June 18	Mansfield, O.	June 4
June 18	Louisiana	June 4
June 19	Farmington, Mo.	May 28
June 22	New Jersey Adv. June 4.	June 4
June 22	California	June 4
June 26	New York Adv. June 4.	June 4
June 28	Cudahy, Wis.	June 4

Bids Close		See Eng. News-Record
June 30	St. Louis, Mo.	June 4
July 1	Deland, Fla. Adv. June 4.	June 4
July 8	Alabama	June 4

BUILDINGS—INDUSTRIAL

June 5	Phila., Pa.	June 4
June 8	New York, N. Y.	June 4
June 10	Superior, Wis.	May 21

BUILDINGS—COMMERCIAL

June 5	Chester, Pa.	June 4
June 6	Newport, R. I.	June 4
June 8	Erie, Pa.	May 28
June 8	Port Arthur, Tex.	June 4
June 9	Altoona, Pa.	June 4
June 9	Detroit, Mich.	June 4
June 10	Merrill, Wis.	May 28
June 10	Joliet, Ill.	June 4
June 12	Baton Rouge, La.	June 4
June 15	Portland, Ore.	June 4
June 15	New York, N. Y.	June 4
June 15	Cleveland, O.	June 4
June 16	Newkirk, Okla.	May 28
June 17	Marcy, N. Y.	May 28
June 17	Manchester, Conn.	June 4
June 20	Dayton, O.	June 4
June 24	Creedmoor (Jamaica P. O.), N. Y. Adv. June 4.	June 4
June 25	Dayton, O.	June 4
June 30	Olympia, Wash.	June 4
July 14	Phila., Pa.	Feb. 19
July 15	Brooklyn, N. Y.	May 21

BUILDINGS—EDUCATIONAL, RELIGIOUS

June 5	Bridgewater, Mass.	June 4
June 7	Worcester, Mass.	May 28
June 9	Piketown, O.	June 4
June 9	Kirksville, Mo.	June 4
June 9	Baltimore, Md.	June 4
June 10	Evanston, Ill.	Apr. 23
June 10	Burlington, Vt.	May 28
June 17	Denver, Colo.	June 4
June 18	Eltingville (Sta. Staten Island), N. Y.	June 4
June 22	Longmont, Colo.	June 4
June 30	Elwood City, Pa.	June 4
July 1	San Francisco, Calif.	May 28

FEDERAL GOVERNMENT WORK

June 8	Boilers — Portsmouth, N. H.	May 14
June 8	Post Office—Ellsworth, Me.	May 14
June 9	Alterations—Minneapolis, Minn.	May 28
June 10	Boilers—Burlington, Vt.	May 14
June 10	Buildings, etc.—San Diego, Calif.	May 14
June 10	Remodeling—Pittsburgh, Pa.	May 21
June 10	Road—Point St. George, Calif.	May 28
June 11	Post Office — Vineland, N. J.	May 21
June 11	Breakwaters—Ohio Adv. May 21 to June 4.	May 21
June 11	Road—Washington	June 4
June 11	Addition—Hot Springs, Ark.	June 4
June 11	Road—Montana	June 4
June 11	Road—Oregon	June 4
June 12	Road—Idaho	June 4
June 12	Road—Oregon	June 4
June 12	Road—Montana	June 4
June 13	Stone—San Francisco, Calif.	May 28
June 15	Barge—Montgomery, Ala. Adv. May 21 to June 4.	May 21
June 15	Road—Colorado	May 21
June 15	Road—Montana	May 28
June 16	Heating Plant—Mobile, Ala.	May 21
June 16	Electric Light Plant—Brunswick, Ga.	May 21
June 16	Fire Alarm System—Whipple Barracks, Ariz.	May 21
June 16	Cable, etc.—Whipple Barracks, Ariz.	May 21
June 16	Structures—Powell, Wyo.	May 28
June 17	Hospital and Quarters—New Orleans, La.	May 28
June 17	Heating System—New Orleans, La.	May 21
June 17	Paving, etc.—Brooklyn, N. Y. Adv. June 4.	June 4
June 17	Water System—Wash., D. C.	June 4
June 17	Paving—Phila., Pa.	June 4
June 17	Remodeling—Phila., Pa.	June 4
June 17	Boilers—Parris Island, S. C. Adv. June 4.	June 4
June 18	Incinerator—New Orleans, La.	May 21
June 18	Pier—Rosebank, N. Y.	May 28
June 19	Remodeling—Norwich, Conn.	May 21
June 22	Post Office—Missoula, Mont.	May 28
June 22	Post Office—Holly Springs, Miss.	May 28
June 22	Power Plant Equipment—Parris Island, S. C. Adv. June 4.	June 4
June 22	Dredging—Quantico, Va.	June 4
June 23	Sewers—Baltimore, Md.	May 28
June 23	Quarters—Memphis, Tenn.	May 28
June 24	Post Office, Paterson, N. J.	May 28
June 25	Post Office—New London, Conn.	May 28
June 25	Post Office—St. Petersburg, Fla.	May 28
June 26	Jetty—Nantucket, Miss. Adv. May 28 and June 4.	June 4
July 1	Remodeling—New York, N. Y.	June 4
July 2	Remodeling—Lynn, Mass.	June 4
July 3	Post Office—Lowell, Mass.	June 4
July 3	Dredging—Bridgeport, Conn. Adv. June 4.	June 4
July 7	Bridges, Florence, Ala. Adv. May 21 to June 4.	May 28
July 9	Remodeling—Providence, R. I. Adv. June 4.	June 4
July 19	Pipe Line Dredge—Jacksonville, Fla. Adv. June 4.	June 4
July 29	Hospital—Canacao, P. I.	May 21

UNCLASSIFIED

June 5	Special Work—New York.	May 28
June 8	Core Borings—New Jersey.	May 28
June 8	Transmission Line—Bryson City, N. C.	June 4
June 9	Underpass—Ocala, Fla.	May 28
June 9	Wharf Repairs—Baie St. Paul, Que.	May 28
June 9	Stadium—West Allis, Wis.	May 28
June 9	Dock Repairs—Kincardine, Ont.	May 28
June 9	Dock—Baton Rouge, La.	May 28
June 10	Station Finish—Long Island City, N. Y.	May 28
June 11	Dock, etc.—Baton Rouge, La.	May 21
June 12	Subway—New York, N. Y.	June 4
June 13	Lighthouse—Leamington, Ont.	June 4
June 15	Retaining Wall, etc.—Sanford, Fla.	June 4
June 16	Electrical and Refrigerating Equipment — New York, N. Y.	May 21
June 17	Heating System—Geneva, N. Y. Adv. May 21 to June 4.	May 21
June 18	Grain Elevator—Houston, Tex.	June 4
June 26	Breakwater—Long Beach, Calif. Adv. June 4.	June 4

MATERIALS

June 9	Paving Blocks—New York, N. Y.	June 4
June 10	Asphalt—Cleveland, O.	June 4
June 12	Roofing Materials, etc.—New York, N. Y.	June 4
June 12	Ties and Timber—New York, N. Y.	June 4
June 15	Asphaltic Oil, etc.—Trenton, N. J. Adv. June 4.	June 4

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Massachusetts—Dept. Pub. Wks., Boston, plans surface drains, manholes, catch basins, etc. in Chelmsford St., North Monroe Terrace and private land in Dorchester. $25,000. J. A. Rourke, comr.

R. I., Providence — Water Supply Bd. plans covered reservoirs in Johnston and North Providence. $15,000 or more. B. T. Potter, chn.

Connecticut—Special Committee, C. M. Saville, 53 North Beacon St. (interested) plans additions to water supply at Mansfield State Training School, Mansfield, and Connecticut Agriculture College, Storrs. $200,000.

N. Y., Potsdam—Plans to place at next election proposition to raise by taxation $285,000 to be expended with present water fund surplus of $40,000 in securing adequate water supply from unpolluted sources.

S. C., York—See "Sewers."

Fla., Crystal Springs—Plans waterworks and sewer in various streets. E. V. Camp and associates, 1 North Moreland Ave., Atlanta, Ga., engrs.

Wis., Deerfield — E. Helmicks, village clk., making plans additional water supply, incl. 50,000 gal. concrete reservoir, one well 300 ft. deep, 12 in. diam., one 300 g.p.m. centrifugal pump, etc. $8,000. W. G. Kirchoffer, 22 North Carroll St., Madison, engr.

Minn., Moorhead—Plans election $[illegible],000 bonds improving present water and light plant.

Mo., St. Louis — Making preliminary plans 600 x 800 ft. rein.-con. covered storage reservoir, 35 ft. deep, 190 m.g. capacity, at Olive St. between Watson and Bonhome Rds., $1,500,000. Private plans.

Tex., Bay City — Election soon $50,000 bonds, waterworks improvements, incl. mains, pumping equipment, etc. Terrell Bartlett Engineers, 612 Calcasieu Bldg., San Antonio, engrs. Noted Apr. 16.

Tex., O'Donnell—Election soon $40,000 bonds for waterworks. Devlin Engineering Co., 119 Central Bldg., Amarillo, engrs.

Tex., Vernon — Voted $15,000 bonds, waterworks improvements. H. Mason, mayor. Noted Apr. 16.

Tex., Wharton—Made preliminary plans waterworks improvements, incl. well, mains and pumping equipment. Election soon $50,000 bonds for same. Terrell Bartlett Engineers, 612 Calcasieu Bldg., San Antonio, engrs. Noted Apr. 16.

Okla., Henryetta — Making plans new water supply, reservoir, pipe line, new pumping equipment and addition to filtration plant. $75,000. Holway Eng. Co., Wright Bldg., Tulsa, consult. engrs. Noted Apr. 16.

Okla., Okemah—Election June 15, $200,000 bonds for new waterworks, incl. mains, tank, hydrants, motor driven centrifugal pumps, etc. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Mar. 5.

Okla., Okmulgee — Making plans new water supply on Salt Creek, incl. reservoir, pipe line and new pumping equipment. $1,000,000. Holway Eng. Co., Wright Bldg., Tulsa, consult. engrs. Noted Apr. 16.

Wash., Seattle—Bd. Pub. Wks. rejected bids May 15, 9,555 ft. 8 and 12 in. c.i. mains in 46th Ave. S. W. $29,070. Noted May 28.

Calif., Eureka—Making surveys for water supply system, incl. 10 mi. pipe line, 420 ft. impounding dam, 150 ft. high on Jacoby Creek. To exceed $350,000. N. B. Ellery, City Hall, Eureka, engr.

Calif., Orange—Plans election $1,200,000 bonds, for water plant, incl. 47,000,000 gal. reservoir, wells, pumping plant, distribution system, etc.

Ont., Mactier—Plans pumping plant and distribution system. $25,000. James Proctor & Redfern, 36 Toronto St., Toronto engrs.

BIDS DESIRED

New York — June 9, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, alterations to structures along 72 in. steel pipe line necessitated by construction of Conduit Blvd. in Queens and Nassau Counties.

Md., Baltimore—June 10, by Bd. Awards, superstructures of chemical filter and shelter buildings, pumping station and garage, at Montebello Ave. filters, Harford Rd. and 33rd St. Former bids rejected. V. B. Siems, City Hall, water engr. Noted May 21.

Ga., Macon—June 30, by City Clerk, steel and concrete reservoir. R. B. Cowen, city engr. Fuller & McClintock, 170 Bway., New York City, engrs. Noted May 28.

Fla., Deland—See "Streets and Roads."

Miss., Hernando—S. W. Eaton, city clk., taking bids 50,000 gal. tank on tower, 4 mi. c.i. and galvanized mains, 6 in. well and pumping equipment. $20,000. Noted Apr. 16.

O., Cincinnati—June 5, by Comrs. Hamilton Co., 22,760 ft. 6 and 8 in. c.i. mains in Water Supply Line 12, Dist. 4 (Harrison Park, Race Ave. and School Section Rd.), $50,757; 41,384 ft. 6 and 8 in. c.i. mains in Water Supply Line 19, Dist. 1 (Osceola Park, Maderia Heights and Drake Rd.), $86,349; 22,393 ft. 6 and 8 in. c.i. mains in Water Supply Line 11, Dists. 4 and 5 (Muddy Creek, Anderson Ferry and Foley Rds.), $51,446. L. C. Boyatt, Court House, engr.

O., Cleveland—See "Sewers."

O., Columbus—See "Streets and Roads."

O., Mansfield—June 18, by H. C. Lynch, dir. Pub. Serv., City Hall, 43 tons 4 and 6 in. c.i. pipe and fittings, 270 lin.ft. 1½ in. galvanized pipe, two 4 in. and three 6 in. valves, etc., f.o.b. Mansfield. W. C. Statler, city engr.

O., Medina—June 25, by Comrs. Medina Co., mains in Chippewa Sanitary Dist. $40,000. R. F. MacDowell, 1770 East 11th St., Cleveland, engr.

Waterworks (Continued)

Ill., Springfield—June 8, by City Comrs., water softening and iron removal plant, incl. 1 or more motor driven centrifugal pumps, of deep well turbine type, 2,800 g.p.m., 4,200 g.p.m. or 5,600 g.p.m. capacity. Burns & McDowell Eng. Co., Interstate Bldg., Kansas City, Mo., engrs.

Wis., Medford — June 12, by O. K. Blakeslee, city clk., watermain extensions, incl. 7,500 lin.ft. Class C iron pipe, four 6 in. valves, 4 valve boxes, 3 tons lead and 2 tons special fittings, 250 lbs. jute, etc. To exceed $15,000. McMahon & Clark Eng. Co., Menasha, engrs.

Wis., Milwaukee—June 8, by Dept. Pub. Wks., 9,814 ft. 6 ft. 6 in., 2,465 ft. 8 in. and 2,316 ft. 12 in. c.i. mains in various streets. City to furnish pipe. J. Schwada, city engr.

Minn., Minneapolis — June 10, by F. S. Gram, city purch. agt., 10 operating tables in filter operating gallery; three (each) high and low centrifugal service pumps, also synchronous motors for high and low centrifugal pump drives, etc., at Fridley Pumping Station.

S. D., Cavour — June 11, 1,500 ft. 4- to 8-in. c.i. pipe, 25,000 gal. elevated steel tank, and 10 hp. motor. Dakota Eng. Co., Mitchell, engrs.

S. D., Rockham—June 12, 5,590 ft. 4- to 8-in. c.i. pipe, 50,000 gal. elevated steel tank, 4 x 6 triplex centrifugal pump, also 20 hp. gas engine. Dakota Eng. Co., Mitchell, engrs.

Calif., Oakland — July 20, by East Bay Municipal Utility Dist., Ray Bldg., 1924 Bway., dam to impound waters of Mokelumne River, near Lancha Plana, aqueduct of tunnels, pumping plant, etc. J. H. Kimball, secy.; adv. E. N.-R. June 4. Noted May 28.

Ont., Windsor—June 5, by R. B. Braid, secy. Essex Border Utilities Comn., 42 hub end gate valves, 6- to 12-in. diam. J. C. Keith, Murray Bldg., engr.

Ont., Windsor—June 12, by E. B. Braid, secy. Essex Border Utilities Comn., 33,000 lin.ft. 14- to 24-in. diam. c.i. mains, also 20, 30 and 36 in. gate valves, and 30 in. automatic float and flap valves in various Streets. J. C. Keith, Murray Bldg., engr.

BIDS RECEIVED

Md., Baltimore—Bd. Awards, copper wire to Water Dept., from Chase Co., Waterbury, Conn., $13,900; brass service pipe fittings, from Mueller Co., Decatur, Ill., $43,400. Noted May 14.

O., Cleveland—Cuyahoga Co., 6,300 ft. 6 and 8 in. c.i. mains in Lee Rd. and Lee Harvard Subdivision, Impvt. 552, from Hanna & Michael, Erie Bldg., Cleveland, $19,702. Noted May 14.

CONTRACTS AWARDED

Massachusetts—Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, about 7,380 lin.ft. 56 in. mains in Arlington and Somerville, to C. H. R. Constr. Co., 67 Harrison St., Boston $205,775; furnishing and laying 3,000 lin.ft. and laying 1,440 lin.ft. 48 in. c.i. in Somerville and Medford, to C. M. Byrne, 31 Church St., Winchester, $96,422. Noted Apr. 9 and May 14.

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Ave. I, 9th and Hegeman Aves., 53rd and East 93rd Sts., to N. DeStefano, 257 Glenn Ave., Tompkinsville, and L. Bignalo, $78,813. Noted May 28.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Queens Blvd., here, to Paladino Contg. Co., 437 East 120th St., New York City, $116,729. Noted May 28.

N. Y., Long Island City — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in East Willston, 83rd, 86th and 91st Aves., 246th, 247th, 257th, 258th, 259th, 260th, 261st, 262nd and 263rd Sts. $48,393, Constantia, Columbia, Luther and Pettit Places, 43rd and 76th Rds., Moore, Meade, 87th, 148th, 155th, 160th, 161st, 162nd and 164th Sts., Fosdick, Lafayette, Metropolitan, Mt. Olivet, 58th, 32nd, 33rd, 59th and 77th Aves., to J. A. Gregory, 351 East 124th St., New York City, $11,275. Noted May 28.

O., Painesville—City, 35 x 80 ft. pump room, 35 x 35 ft. filter building, three 20 x 24 ft. concrete basins, 12 ft. deep and gravity sand filters, etc., to Pitt Constr. Co., Diamond Bldg., Pittsburgh, Pa. Engrs. est. $40,000. Noted Apr. 16.

Ind., Anderson—City, new turbine engine and appurtenance, to Westinghouse Co., East Pittsburgh, Pa., $118,000.

Wis., Madison—City, W. W. Winckler, clk., limestone sprinkling filters, to N. Quinn, 515 West Johnson St., $197,000 Engrs. est. $190,000.

Minn., St. Cloud—J. D. McKenzie, city clk., 3,588 ft. 4 and 6 in. c.i. mains in various streets, etc., to E. T. Webster, 1463 Goodrich Ave., St. Paul, $14,742; also 2,254 ft. 6 in. c.i. mains in various streets, to C. Kropp & Son, 707 7th Ave. S., $4,341.

Kan., Arkansas City — Waterworks extensions, to Stanton & Wallace, Leavenworth, $58,287. Noted Apr. 30.

Kan., Haviland—For 22,578 ft. 2- to 6-in. c.i. pipe, 7,020 lb. specials, 24 hydrants, 13 gate valves, 50,000 gal. tank on tower, two 150 ft. wells, 1 motor driven and 1 gasoline engine driven deep well pumping plant, etc., to Burt & Tripp, Hutchinson, $33,444. Noted Apr. 16.

Mo., Independence—Independence Water Co., 226 North Liberty St., 2 m.g. reservoir and feeder mains, to C. L. Johnson, Warrensberg, $42,994. Noted May 28.

Ark., Magnolia—For 41,754 ft. 4 and 6 in. c.i. and 10,550 ft. 2 in. galvanized mains, 131 manholes, 12 flush tanks, 2 disposal plants, also 55,370 ft. 8- to 15-in. vitr. clay sewers in various streets, to McEachin & McEachin, Southern Trust Bldg., Little Rock, $119,803.

Tex., Houston—City, settling tank for Scott St., water plant, to A. M. Arnold, Scanlon Bldg., Houston, $16,500, engrs. est. $16,000; 2 wells, 200 g.p.m. capacity, to Layne—Texas Co., 1111 6th St., $55,500, engrs. est. $60,000; 2 pumps to H. A. Payne, Houston, $5,500, engrs. est. $5,000. Grand Total $77,500.

Calif., La Mesa—See "Sewers."

Sewers

PROPOSED WORK

Mass., Dorchester (Boston P. O.)—Dept. Pub. Wks., Boston, plans sewers in North Munroe Terrace, Estella and Chelmsford Sts., here. $25,000. J. A. Rourke, comr.

Mass., Medford — Bd. Aldermen appropriated $26,000, sewers in various streets.

Mass., West Roxbury (Boston P. O.)—Dept. Pub. Wks., Boston, plans sewers in Arborway, Sturges Road, Vermont and Potomac Sts., here. $30,000. J. A. Rourke, comr.

R. I., Providence—Plans sewerage works in Ada and Hunnewell Aves., Cutler, Berlin and Dante Sts. $25,000. J. B. Ballard, chn. com. on sewers.

S. C., York—Election soon $35,000 bonds sewers and watermains in various streets.

Fla., Crystal Springs—See "Waterworks."

O., Cincinnati—Hamilton Co. plans sewage treatment plant and 165,626 ft. 6- to 12-in. vitr. clay sewers in Sewer 3, Dist. 2 (Mt. Healthy North College Hill-Steeles Subdivision). $623,800. L. C. Boyatt, Court House, engr.

O., Euclid—City takes bids in summer, sewers in 5 allotments, $50,000; storm and sanitary sewers in Euclid Ave. and Roseland Dist. 5. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

O., St. Bernard (Ind. Br. Cincinnati)—Plans 1,018 ft. 7- to 36-in. vitr. clay and 2,631 ft. 42- to 57-ft. brick sewer through private property between Rapid Transit right-of-way and Bank Ave. $74,000. F. Krug, City Hall, engr.

Ill., La Grange Park (La Grange P. O.)—Making preliminary plans 271 ft. 24- to 48-in. sewers under railroad right-of-way, and 69,541 ft. 10- to 72-in. sewers, etc., in Special Assessment Dist. 28. $488,622.

Wis., Janesville—City making plans and will probably lay approximately 2 mi. 12 in. vitr. sewers in various streets, by day labor. To exceed $25,000. C. V. Kerch, City Hall, engr.

Wis., Lake (Oakwood P. O.)—W. Barbeau, town clk., soon takes bids 5 or 6 mi. vitr. or concrete sanitary sewers in various streets. To exceed $25,000. H. C. Webster, 216 West Water St., engr.

Tex., Galveston—Voted $200,000 bonds for sewer extensions. C. A. Holt, Jr., city engr. Noted Apr. 9.

Tex., Harlingen—Election soon $75,000 bonds, complete sewerage system. Address Mayor.

Tex., San Augustine—Rejected bids May 4, sanitary sewerage system and disposal plant. Will readvertise. $35,000. W. A. French, San Augustine, engr. Noted Apr. 2.

Wash., Centralia—City Council making plans and takes bids about June 18, 7 mi. 10- to 24-in. trunk sewer in west and northwest sections of city. $72,000. N. W. Avery, Centralia, engr.

Calif., Roseville — Plans election $75,000 bonds, removing present sewage plant to new location, extending sewerage system and constructing new sewer lines.

Calif., Stockton—Made plans 7,320 lin.ft. 4 in. vitr. sewer, incl. 253 curves and 11,216 lin.ft. 6 in. vitr. sewer with wyes, etc. in Yosemite sub-division. W. B. Hogan, city engr.

Ont., Ford — Plans storm sewer in Parent Rd., and sanitary sewers in Rossini Blvd. and Franklin St. $88,000. J. F. Foster, city engr.

Ont., Windsor — Plans crock sewers in Tecumseh Rd., Pelissier, Dougall and Victoria Aves. $37,500. A. Brian, city engr.

BIDS DESIRED

N. H., Manchester—June 15, by L. B. Hoyt, surv. Dept. Highways, City Hall, completing construction and installing Beach St. Intercepting Drain, incl. branch drains and appurtenances. Fay, Spofford & Thorndike, 200 Devonshire St., Boston, Mass., consult. engrs.; adv. E. N.-R. June 4.

N. Y., Brighton (Ind. Sta. Rochester)—June 18, by Bd. Sewer Comrs. Brighton Sewer Dist. 2, at office W. S. Lozier, engr., 321 Cutler Bldg., Rochester, sewers, here; adv. E. N.-R. June 4.

N. Y., Brooklyn — See "Streets and Roads."

N. J., Dumont—June 10, by Mayor and Council, completing and constructing sewerage system. T. F. Bowe, 110 William St., New York City, consult. engr.; adv. E. N.-R. June 4.

Pa., Phila.—June 9, by Dept. Pub. Wks., Bureau Engineering (Schedule A) branch sewers; (schedule B) main sewers in Robins, Church, 34th and Bristol Sts.; (Schedule C) sewage treatment project, Oak Lane intercepting sewer and laboratory equipment; (Schedule D) South Phila. Impvt. sewers in Broad St. and Packer Ave., East League Island Park, Oregon Ave., stormwater ditches and incident l drainage, south of Packer Ave. and West of Broad St., etc.

Pa., Sankertown (mail Johnstown)—June 5, by Boro Council, E. A. McGuire, secy., High St., Cresson, 19,112 lin.ft. 8- to 12-in. sewers in various streets. O. P. Thomas, Park Bldg., Johnstown, engr.

Md., Baltimore—June 3, by Bd. Awards, storm sewers in Dists. G-11, 46-B, P-8 and P-4, in Storm Water Contr. 83, 550 lin.ft. 5 ft. x 9 ft. 2 in., and 2,160 lin.ft. 3 ft. 6 in. x 6 ft. rein.-con. box drain, 5,875 ft. 24- to 42-in. rein.-con. and 4,858 ft. vitr. pipe. B. L. Crozier, City Hall, highway engrs.

Md., Baltimore—June 10, by Bd. Awards, 30,300 ft. 8 in. vitr. sewer, 11,900 lin.ft. 5 and 6 in. house connections, etc., in Sewer Dist. H-6-2, Contr. 218. B. L. Crozier, City Hall, highways engr.

Md., Catonsville (br. Baltimore)—June 22, by Comrs. Baltimore Co., Towson, sewers, here. A. E. Walden, ch. engr.; adv. E. N.-R. June 4.

N. C., Forest City — June 9, by L. C. Lowrance, mayor and Bd. City Comrs., septic tank and sludge bed, 4,400 ft. 10 in. outfall sewer line and 18 manholes. Carolina Eng. Co., 917-919 Johnston Building, Charlotte, engrs.

Fla., Deland—See "Streets and Roads."

Miss., Columbus—See "Waterworks."

Ky., Louisville—June 30, by Commissioners of Sewerage, Board of Trade Bldg., 3rd and Main Sts., circular and vitr. sewers, etc. J. B. F. Breed, Louisville, ch. engr. M. H. Crawford, chn.; adv. E. N.-R. June 4.

O., Akron—June 8, by W. F. Peters, dir. Pub. Serv., 17,620 ft. 8- to 18-in. vitr. clay sewer in Alton Dr. et al, $72,600; 12,520 ft. 8- to 18-in. in West Market St. et al, $64,800; 1,065 ft. 33- to 39-in. brick and 3,220 ft. 8- to 20-in. vitr. clay sewer in Laffer Ave. et al, $30,300; 270 ft. 39 in. brick and 400 ft. 8- to 24-in. vitr. clay sewer in South Main St., $12,000. J. E. Root, Delaware Bldg., engr.

O., Cincinnati—June 12, by Comrs. Hamilton Co., sewage treatment plant and 165,626 ft. 6- to 12-in. vitr. clay sewers in Sewer 3, Dist. 2, (Mt. Healthy-North College Hill-Steele's Subvd.). $623,800. L. C. Boyatt, Court House, engr.

O., Cleveland—Realty & Securities Co., 3911 Lorain Ave., taking bids 2,863 ft. vitr. clay sewer and 3,367 ft. 6 in. c.i. mains in Bosworth Heights allotment. $25,000. Private plans.

O., Cleveland — June 10, by Bd. Comrs. Cuyahoga Co., 5,500 ft. 8- to 60-in. tile block sewer in Wagar Rd. (Impvt. 600), also 21,000 ft. 8- to 27-in. in Chestnut Hills Dr. F. Williams, Court House, engr.

O., Columbus—See "Streets and Roads."

O., Medina—June 25, by Comrs. Medina Co., sewer in Chippewa Lake Sanitary Sewer Dist. $25,000. R. F. MacDowell, 1770 East 11th St., Cleveland, engr.

Mich., Detroit — June 8, by Dept. Pub. Wks., City Hall, monolithic concrete sewers, 5,480 ft. in Hubbel Ave. Sewer, Sect. 4; 6,962 ft. in Grand River Ave. Arm East, 3,160 ft. in Grand River Ave. Arm West; 5,288 ft. Schoolcraft Ave. Arm of east Mill Rd. Sewer; 2,574 ft. Schoolcraft Ave. Arm west Hubbell Ave. Sewer; and 3,705 ft. Monier-Schoolcraft Arm of Hubbell Ave. Sewer. G. Jerome, city engr.

Wis., Port Washington—June 8, by G. S. Hales, secy. Ozankee Co. Farm Drainage Bd., sewers in Dist. 7, 20,720 ft. 6- to 20-in.

Sewers (Continued)

drain tile, 250 ft. 12 and 20 in. sewer and 72 ft. 12 and 18 in. c.i. pipe, 1 bulkhead, etc. L. M. Schindler, 401 North Clark St., engr.

Ia., Centerville—June 15, by M. G. Hall Co., engrs., Centerville, sewage disposal plant improvement, incl. remodeling septic tank, 58 x 165 ft. sprinkle filter, 30 x 90 ft. sludge bed, tank, etc., for City. $40,000.

Ia., Centerville—June 16, by E. A. Crane, city clk., remodeling septic tank, 58 x 165 ft. sprinkling filter, 70 x 94 ft. sludge bed, dosing tank, etc. $38,000. M. G. Hall Co., Centerville, engrs. Noted Apr. 2.

Mo., Kansas City—June 25, by Bd. Pub. Wks., W. T. Williams, secy., combined storm and sanitary sewer, known as "Gooseneck Sewer." Black & Veatch, and E. M. Stayton, Mutual Bldg., consult. and supervising engrs.; adv. E. N.-R. June 4.

Tex., Port Arthur — June 8, by City Comn., 17,650 ft. vitr. clay sewers, etc., in various streets. Alternate bids on furnishing labor and equipment. $40,000. J. P. Logan, mayor.

Tex., Fort Arthur — June 10, by J. P. Logan, mayor, two 50,000 g.p.m., and one 20,000 g.p.m. motor driven drainage pumps. J. C. Hamilton, city secy.

Tex., Port Arthur—Taking bids storm sewers in Shreveport Ave., incl. monolithic or precast type pipe, motor driven lift pipes, etc., $70,000. Nagle, Witt & Rollins, 1024 Keystone Bldg., Houston, and 1304 Santa Fe Bldg., Dallas, engrs.

BIDS RECEIVED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., May 25, from Stanhy Constr. Co., Steinway Ave., sewers in Borden Ave. $4,284; from C. Pettracca, 737 Kathleen Court, Brooklyn, sewers in Cooper Ave. $590, Fisk Ave. $675, Market St. $555; from H. J. Mullin Contg. Co., Jamaica Ave. and 144th St., Jamaica, $16,838. Noted May 21.

Ill., Springfield — Bd. Trustees Springfield Sanitary Dist., City Hall, sanitary and intercepting sewers, in Division A, from Hanson & Willadsen Co., Omaha, Neb., $272,242. Noted Apr. 16.

Wis., White Fish Bay — J. H. Fowles, secy. Metropolitan Sewerage Comn., 508 Market St., Milwaukee, May 28, 9,350 lin. ft. 42 in. concrete sewer, etc., in Whitefish Bay extension, here, from Nevada Constr. Co., Nevada, Ia., $215,935. Noted May 21.

CONTRACTS AWARDED

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, **(e. e. means engrs. est.)** sewers in Gravesend Neck Rd., to Manmill Constr. Co., 2035 Douglass St. 66.3% e. e. $6,065; 48th St., to S. J. Coenzo, 678 Glenmore Ave. 79.5% e. e. $797; Liberty Ave., to C. Ambrosio, 1016 69th St. 63% e. e. $700. Noted May 21.

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, **(e. e. means engrs. est.)** sewers in Clarkson Ave., to Manmill Constr. Co., 2035 Douglass St., 68.67% e. e. $70,186; East 5th St., to A. W. Matarazzo, 1163 61st St. 76.99% e. e. $8,846; East 29th St., to S. Ambrosio, 1016 60th St. 83.5% e. e. $5,306. Noted May 28.

Pa., Phila.—Director Pub. Wks., Bureau Engineering, to J. Lonbardi, 601 Lincoln Bldg., main sewer in Tioga St. $124,238, Tulip St. $68,043, Erie Ave. $60,151, branch sewer in Wymefield St. $22,558; to T. A. Hamilton, Green St. and Chelton Ave., branch sewers in American St. $2,282, B St. $8,878, 75th Ave. $8,455, Washington Lane $6,996, to J. E. Paradise, 1601 Finance Bldg., Conlyn St. $9,556, to A. Bonitatibus, 300 West Pleasant Ave., Cottman St. $43,506, 8th St. $6,317, Franklin St. $7,613, Robat St. $8,705, Sedgwick St. $12,325, 79th St. $9,644, to V. S. Campellone, 812 West Venago St., Cottman St. $7,154, to P. and A. J. Ellis, 4th and Wyoming Aves., 18th St. $4,828, Spencer St. $27,042, Walnut St. $8,957, to E. F. Bennis, 825 East Washington Lane, 15th St. $3,599, Wooddale St. $18,128, to J. J. McHugh, 1617 Race St., Girard Ave. $19,356, 20th St. $17,340, to Vattieri & Pontarelli, 523 Rising Sun Ave., Mascher St. $38,675 to F. T. Buckins, 4050 Kensington Ave., Musgrave St. $1,525, Sanger St. $40,440, to A. Perna & Son, 752 South 10th St., Sedgwick St. $15,815, to W. H. Yetman, 601 Lincoln Bldg., Woodburne St. $30,911. Grand total $643,037. Noted May 14.

O., Canton—Avondale Inc., sanitary and storm water sewers in 10 streets in subdivision, New Avondale Addition to city, to Garaux Bros., Massillon Rd. Engrs. est. $150,000.

O., Euclid—For 8,030 ft. 36- to 48-in. brick sewer in Cut Road, to C. W. Jackson, 1318 East 84th St., Cleveland, $96,700. Noted May 21.

Ill., Springfield — Bd. Trustees Springfield Sanitary Dist., City Hall, sanitary and intercepting sewer in Divisions B and C, to John E. Bretz Constr. Co., 224 East Union St., $77,941 and $387,534 respectively. Noted Apr. 16.

Mo., Kansas City — Sanitary sewers in Dist. 9538, to T. P. Thompson, 3908 Forrest St., $34,110.

Ark., Magnolia—See "Waterworks."

Wash., Longview—Long-Bell Lumber Co., sanitary sewers, etc. in East Fir Unit of plant, 5,500 cu.yd. excav., 250,000 ft. trench timber and 8,400 ft. 6- to 12-in. concrete pipe, etc., to J. D. Hanley, Longview.

Calif., Claremont—For 6, 8 and 10 in. sewers with wyes in various streets, to N. Chutuk, 1506 Pleasant Ave., Los Angeles, $57,100. Noted Apr. 30.

Calif., La Mesa—Bd. City Trustee, sewer and watermains in Collier's Addition, to H. H. Peterson, Spreckels Bldg., San Diego, $35,000.

Calif., Los Angeles—Storm drains in Los Feliz Blvd. and Gleneden St., to G. W. Kemper, P. O. Box 126, Alhambra, $98,998. Noted May 14.

Calif., North Sacramento — For 62,700 lin.ft. 6- to 15-in. vitr. sewers in various streets, to Chambers & DeGolyer, Bacon Bldg., Oakland. $54,975.

Ont., New Toronto — See "Streets and Roads."

Waste Disposal

PROPOSED WORK

Tex., Galveston—Voted $75,000 bonds for garbage incinerator. C. A. Holt, Jr., city engr.

CONTRACTS AWARDED

O., Lakewood (Cleveland P. O.) — City, S. A. Wiegand, mayor, 1 story, 50 ton brick steel and concrete incinerator, Berea Rd., to Universal Destructor Co., Fulton Bldg., Pittsburgh, Pa., $84,750. Archts. est. $85,000.

Bridges

PROPOSED WORK

Mass., Medford (Boston P. O.) — Plans reconstructing bridge over Boston & Maine Ry. tracks at Medford Hillside. About $25,000.

Mass., Somerset—Dept. Pub. Wks., State House, Boston, plans bridge over Lees River, here. $25,000. W. F. Williams, comr.

New Jersey—Bd. Freeholders Burlington Co. (Mt. Holly), and Atlantic Co. (Mays Landing), plans bridge over Green Bank River. $40,000-$45,000. A. H. Nelson, Atlantic City, and H. B. Smith, Mt. Holly, engrs.

Ind., Vincennes — State Hy. Depts. of Indianapolis, Ind., and Springfield, Ill., plan bridge over Wabash River here. To exceed $2,000,000. C. Gray, Indianapolis, Ind., and T. F. Sheets, Springfield, Ill., highway engrs.

Ia., Ft. Dodge—City and Minneapolis & St. Louis R.R. Co., Transportation Bldg., Minneapolis, Minn., R. G. Kenly, ch. engr., making preliminary sketches and surveys rein.-con. viaduct over railroad tracks at 7th St. $50,000. C. E. Reynolds, City Hall, engr.

Kan., Stockton—Rooks Co. making preliminary plans bridge, main span 140 ft. steel 20 ft. wide with concrete floor and foundation, etc., and six 40 ft. concrete slab deck girder spans, on Federal Aid Project 259-B. J. A. Bodine, Court House, engr.

Missouri — Special Com., J. L. Jones, (interested) 710 Main St., Kansas City, plans 3 span, 1,275 ft. bridge between Kansas City and North Kansas City. $2,000,000. Business League, 400 Ridge Bldg., Kansas City, is most active in promotion of above project. Harrington, Howard & Ash, 1012 Baltimore St., Kansas City, engrs.

Missouri — State Hy. Dept., Jefferson City, making plans two 10 and two 20 ft. rein.-con. slab spans, etc., over stream, Audrain Co.; one 40 ft. rein.-con. deck girder span, etc., over Bonne Femme Creek and three 24 ft. rein.-con. slab spans over south fork of Bonne Femme Creek, one 40 ft. and three 30 ft. rein.-con. deck girder spans, etc., over Grindstone Creek, four 40 ft. rein.-con. deck girder spans, etc., over Hingston Creek, one 40 ft. rein.-con. deck girder span, etc., over Turkey Creek, one 40 ft. rein.-con. deck girder span, etc., over stream and one 45 ft. rein.-con. deck girder span over Silver Fork, all in Boone Co.; one 80 ft. steel truss span, etc., over Tobin Creek, and two 80 ft. steel truss spans over Middle South Fabius Creek, both in Scotland Co.; one 60 ft. steel truss span, etc., over Little Fabius Creek, two 12 ft. rein.-con. slab spans, etc., over Norwood Creek, and one 45 ft. rein.-con. deck girder span, etc., over Coon Creek, all in Knox Co.; two 12 ft. rein.-con. slab spans, etc., over stream, two 20 ft. rein.-con. slab spans, etc., over Sappington Branch, two 12 ft. rein.-con. slab spans, etc., over Birds Creek, two 10 ft. rein.-con. slab spans, etc., over Bailey Branch, two 12 ft. rein.-con. slab spans, etc., over Dry Fork Creek, and two 12 ft. rein.-con. slab spans, etc., over Long Branch Creek, all in Montgomery Co.; one 120 ft. and two 80 ft. steel truss spans, etc., over Saline Creek, Miller Co.; two 12 ft. rein.-con. slab spans, etc., over stream and three 20 ft. rein.-con. slab spans, etc., over Little Beaver Creek, both in Phelps Co.; three 45 ft. rein.-con. deck girder spans, etc., over South River, Marion Co.; three 80 ft. open spandrel arch spans, etc., over Sinking Creek, Shannon Co.; one 55 ft. steel deck plate girder span, etc., over Chicago, Rock Island & Pacific R.R. tracks, Franklin Co.; five 80 ft. steel truss spans, etc., over East Fork Black River, Reynolds Co. B. H. Piepmeier, ch. engr.

Tex., Anson—See "Streets and Roads."

Okla., Okmulgee—Okmulgee Co. rejected bids 3 span 180 ft. steel, concrete and timber bridge. Will readvertise. $60,000. H. C. King, Okmulgee, engr.

Okla., Seiling—State Hy. Dept., Oklahoma City, plans 126 span 2,000 ft. pile bridge over Canadian River, Dewey Co., here. $60,000. J. M. Page, Capitol Bldg., Oklahoma City, highway engr.

Washington—State Hy. Comn., Olympia, made plans 580 ft. concrete arch bridge, over South Fork of Chehalis River, on State Rd. 12, Lewis Co.; also making plans 2,833 ft. steel truss bridge with concrete approaches over Puyallup River, on Pacific Highway, at Tacoma, approximately 2,464 ft. steel bridge over Columbia River, on State Rd. 7, at Vantage Ferry, and 712 ft. steel truss bridge and approaches, over Skokomish River, on State Rd. 14, Mason Co. J. W. Hoover, highway engr.

Calif., Manteca — South San Joaquin Irrigation Dist., Manteca, and Oakdale Irrigation Dist., Oakdale, each voted $1,100,000 bonds for Melones Dam project.

Calif., Santa Monica — Plans bridge on Colorado St. between 2nd and 3rd Sts. To exceed $25,000. H. B. Carter, city engr.

BIDS DESIRED

New Jersey — June 15, by State Hy. Dept., Trenton, double leaf trunnion bridge over Hackensack River, on State Hy. Route 1, Lincoln Highway between Kearney and Jersey City, Hudson Co. A. L. Grover, secy.; adv. E. N.-R. June 4.

New Jersey—June 22, by State Hy. Dept. Trenton, 2 bridges on Route 2, Sect. 8, one over Pompeston Creek, at M. P. 5.7, and one over Swedes Run, at M. P. 7.3. A. L. Grover, secy.; adv. E. N.-R. June 4.

N J., Somerville—June 9, by Freeholders Somerset Co., constructing Country Club Bridge near Bedminster, 8 and 10 in. rein.-con. slab, 10 ft. span; also Township Farm Bridge, plate girder and rein.-con. slab, 35 ft. skew span, etc. H. V. Van Emburgh, engr.

Pa., Washington—June 8, by T. J. Underwood, controller Washington Co., East Cannonsburg Bridge, two 50 ft. spans, concrete, with 23 ft. roadway and two 6 ft. sidewalks, at Chartiers Creek 31, in Cannonsburg; also Swart Bridge, 64 ft. span rein.-con. arch, with 24 ft. roadway, at Ten Mile Creek Rd., on State Highway Route 325, 1 mi. south of Amity.

North Carolina — June 9 by State Hy. Comn., Raleigh, concrete bridges and culverts on Project 127, Edgecombe Co., $58,000; on Project 405, Chatham Co., $62,000; on Project 906-C, Buncombe Co., $25,000. C. M. Upham, highway engr.

Alabama—July 8, by State Hy. Dept., Montgomery, bridge on Thompsonville-Grove Hill Rd., State Project 21-B, Clarke Co., 155,655 lb. reinforcing, 33,500 lb. structural steel, 41,894 ft. treated timber, etc. W. S. Keller, highway engr.

O., Cincinnati—June 8, by Director Pub. Serv., remodeling 9 span, 900 ft. bridge, at 8th St. $62,712. F. Krug, City Hall, engr. Noted Apr. 16.

O., Dayton—June 5, by G. F. Baker, dir. Pub. Serv., bridge to have two 90 ft. half through steel girders encased in concrete, 42 ft. roadway, two 7 ft. walks, 2 concrete abutments and 1 pier over Wolf Creek, on Bway. Harrington, Howard & Ash, Orear-Leslie Bldg., Kansas City, Mo., engrs. Noted Nov. 27.

Minnesota—June 16, by State Hy. Comn., 1246 University Ave., St. Paul, Bridge 4377 triple 80 ft. on State Rd. 5-38, Federal Aid Project 366, $25,000; Bridge 4432, 30 ft. over Willow River on State Rd. 1-44, Sect. 5, Federal Aid Project 1; Bridge 4412, double 80 ft. at Rutledge, and Bridge 4433 75 ft., at Hinckley, both on State Rd. 1-48, Federal Aid Project 1, $30,000.

Bridges (Continued)

Ark., Beaver—June 13, at office of C. A. Fuller, engr., Eureka Springs, three 115 ft. steel truss spans on rein.-con. piers with 105 ft. untreated pile timber approaches over White River, here, 170,800 lb. structural steel, 27,400 ft. untreated piling, 10,652 lb. reinforcing, etc., for Rd. Impvt. Dist. 5, Carroll Co., c/o M. W. Swope, secy.

Tex., Alpine—See "Streets and Roads."

Tex., Gatesville—See "Streets and Roads."

Tex., Palestine — See "Streets and Roads."

Tex., Waco—McLennan Co. taking bids 150 ft. steel span, riveted Pratt truss bridge with two 60 ft. steel truss and 270 ft. wooden approaches, etc. across Bosque River at Eichelbergers Crossing. $30,000. M. Hannah, Waco, engr. Noted May 21.

California—June 22, by State Hy. Comn., Forum Bldg., Sacramento, three 24 ft. span rein.-con. girder bridge, 24 ft. across High Creek Bridge Creek; 94 ft. rein.-con. box culvert, 5 x 5 ft. opening with wing walls, at Fall Creek; 45 ft. rein.-con. culvert, 5 x 5 ft. opening with wall and wing walls, at Cleveland Dam Creek, in Santa Cruz Co. R. M. Morton, Forum Bldg., Sacramento, highway engr.

Calif., Pismo (Pismo Beach P. O.)—June 15, by State Hy. Comn., Sacramento, 2 rein.-con. bridges, 24 ft. one over Villa Creek, here, and other over Southern Pacific R.R. tracks near here. R. M. Morton, Forum Bldg., Sacramento, highway engr. Noted Dec. 25.

BIDS RECEIVED

Massachusetts—See "Streets and Roads."

Mass., Marshfield—Comrs. Plymouth Co., at office Fay, Spofford & Thomdike, engrs., 200 Devonshire St., Boston, rein.-con. bridge with regulating equipment for the Waterway in Green Harbor Dike, from Engineering Serv. & Constr. Co., 200 Devonshire St., Boston, $24,750. Noted May 14.

Conn., New Haven—E. S. Nettleton, city engr., City Hall, 3 span 217 ft. steel girder bridge over Mill River, at Willow St., from C. W. Blakeslee, 58 Waverly St., $81,249. Engrs. est. $90,000. Noted May 14.

New Jersey—State Hy. Dept., Trenton, rein.-con. slab bridge over Fishing Creek, Route 15, Sect. 8, Cape May Co.; and concrete encased steel bridge over West Creek, Route 15, Coumberland Co., from Pinto & Felice, 158 Washington St., Trenton, $40,-973. Noted May 14.

Calif., Los Angeles—Bd. Pub.. Wks., 24 span 1.274 ft. bridge over Los Angeles River, at Macy St., from Atkinson-Spicer Co., Chapman Bldg., Los Angeles, $324,825. Noted Apr. 30.

Calif., Los Angeles — City, 60 ft. span rein.-con. bridge with two 40 ft. approach spans, over Arroyo Seco, on Avenue 60, from B. Crossland, 604 South Marguerita Ave., Alhambra, $83,405.

CONTRACTS AWARDED

Massachusetts—See "Streets and Roads."

S. C., Lancaster—Lancaster Co., 16 rein.-con. bridges and 8 concrete culverts, 693,-590 lb. reinforcing, etc., to Small & Triplett, Morristown, Tenn., $116,000.

Alabama—State Hy. Dept., Montgomery, bridges on Limestone Rd. from Athens to Federal Aid Project 49, State Project S-19, Limeston Co., and on road from Federal Aid Project 39 to Marshall Co. line, State Project S-15, Madison Co., to B. Williams, Murphreysboro, Tenn., $32,993 and $79,410 respectively; bridge over Choctawhatchie River, State Project 83, Dale Co., will be built by day labor. W. S. Keeler, highway engr.

Alabama—State Hy. Comn., Montgomery, concrete bridge over Paint Rock River and other small bridges on Cobbs Bridge-Paint Rock River Rd., Madison Co., to B. Williams, Murfreesboro, $79,410, on Ft. Payne-Valley Head Rd., De Kalb Co., to A. H. Singer, Montgomery $17,178. Noted Apr. 9 under "Streets and Roads."

Kentucky — State Hy. Dept., Frankfort, superstructure and substructure bridge on Federal Aid Project 119-B, Crittenden Co., to J. U. Schickli & Bros., Louisville, $29,-056; structural steel bridge on Federal Aid Project 113-B, Warren Co., to Vincennes Bridge Co., Vincennes, Ind., $8,356, substructure for same bridge, to Moore Constr. Co., Hopkinsville, $25,799; steel superstructure on State Aid Project 4-BBL, Perry Co., to Oregon Bridge Co., Lebanon, O., $23,540, concrete substructure for same bridge, and concrete substructure for bridge on Federal Aid Project 128-C, Perry Co., to F. W. Graham Co., Pineville, $18,711 and $34,579 respectively; concrete substructure and concrete superstructure on State Aid Project 4-BB-2, Perry Co., to Kelly & Shields, Hazard, $22,450 and $26,498 respectively; steel superstructure on Federal Aid Project 128-C, Perry Co., to St. Louis Structural Steel Co., Bank of Commerce Bldg., St. Louis, Mo., $25,271; steel superstructure and concrete substructure on Federal Aid Project 128-B, Perry Co., to Atlantic Bridge Co., Roanoke, Va., $15,961 and $19,478 respectively. Grand total $249,709.

Wis., Stevens Point—State Hy. Comn., at City Hall, constructing Clark St. bridge, Incl. two 66 ft., two 68 ft., two 72 ft. and one 78 ft. concrete arch spans, etc., to Stein Constr. Co., 425 East Water St., Milwaukee, $144,700. Noted Apr. 23.

Indiana—State Hy. Comn., Indianapolis, **(S. R. means State Road s. t. steel truss, r. c. g. rein.-con. girder, r. c. a. rein.-con. arch, r. c. s. rein.-con. slab, r. c. b. rein.-con. box, e. e. engrs. est.)** to Elkhart Bridge & Iron Co., Elkhart, 1 s. t. on S. R. 2-G and 1 r. c. g. on S. R. 2-H, Kosciusko Co., $14,-190 e. e. $14,220, 3 s. t. on S. R. 25-A2, Elkhart Co., also 1 r. c. g. on S. R. 25-G, St. Joseph Co., $30,392 e. e. $31,429; to J. W. Dougherty & Sons, Farmersburg, 1 r. c. a. on S. T. 10-I, and 1 r. c. g. on S. R. 10-M, Parke Co., $15,972 e. e. $19,686; to Steel Bros. & Co., Sullivan, 2 r. c. a. and 1 r. c. g. on S. R. 10-M, Parke Co., $38,886 e. e. $47,199; to W. H. Grammer & Son, Evansville, 4 r. c. g. on S. T. 10-N, $38,818 e. e. $45,265, 1 r. c. g. and 1 s. t. on S. R. 6-L, Clinton Co, also 1 r. c. g. and 1 r. c. a. on S. T. 6-M, Tippecanoe Co., $26,861 e. e. $31,541, 1 r. c. s. on S. R. 32-H, Montgomery Co., 1 r. c. g. and 1 s. t. on S. R. 32-I and 1 r. c. s. on S. R. 29-D, Tippecanoe Co., $19,063 e. e. $21,433; to Calvert & Schutt, Sheridan, 2 r. c. a. and 2 s. t. on S. R. 6-K, Boone Co., $38,336 e. e. $48,104; to Ellis & Scamahorn, Rockport, 1 r. c. a. on S. R. 47-B, Spencer Co., $16,720, e. e. $20,509; to H. C. Weber, Kentland, 3 r. c. s. on S. R. 7-A, Newton Co., $7,149, e. e. $10,-802; to Yost Bros., Decatur, 1 r. c. g., 2 r. c. s., and 1 s. t. on S. R. 21-K, Adams Co., $15,166, e. e. $17,351; to Vincennes Bridge Co., Vincennes, 1 s. t. on S. R. 28-C, Daviess-Pike Counties, $129,805, e. e. $160,-345; to Burk Constr. Co., New Castle, 1 s. t. on S. R. 10-L, Parke Co., $51,913, e. e. $63,-765; to R. McCalman, Inc., Danville, 1 r. c. a., on S. R. 1-M, Parke Co., $44,939, e. e. $60,333; to C. I. and G. Walter, Lahesville, 1 r. c. a. on S. R. 1-A, Floyd-Clark Co., $48,663 e. e. $63,661; to J. A. Mullendore, Columbia City, 1 r. c. g. on S. R. 17-E, De Kalb Co., $2,937, e. e. $4,149; to McDonald & McKinley, Indianapolis, grading and culverts 2.9 mi. S. R. 17-E, De Kalb Co., $13,715 e. e. $18,928, to H. Meshberger, Linn Grove, 0.98 mi. S. R. 21-K, Adams Co., $1,556 e. e. $2,878; to O. E. Nichols, Hebron, 1 temporary timber trestle on S. R. 43-A, Porter Co., $17,223 e. e. $10,185; to Henley Constr. Co., Madison 1 r. c. a., 1 s. t. and 1 r. c. g. on S. R. 6-K, Boone Co., $36,375 e. e. $39,809, new pier and paint on 1 s. t. on S. R. 1-S, Miami Co., also 1 r. c. s. on S. R. 7-I, and on 1 r. c. s. on S. R. 7-I, Wabash Co., $12,720 e. e. $17,593, 1 r. c. a. and 2 r. c. g. on S. R. 26-H, Jefferson Co., $12,482, e. e. $14,492, wood block floor and repairing s. t. on S. R. 6-F, Shelby Co., $3,485, e. e. $5,576; approach grading on structures 205-6 and 7 on S. R. 40-A, Jefferson Co., $17,541, e. e. $35,879; to D. H. Fatout, Indianapolis, grading and culverts on 64 mi. S. T. 28-C, Daviess Co., 8,371 e. e. $13,217. Grand total $663,233. Noted Apr. 9.

Ia., Charlton—Lucas Co., 1 I-beam bridge and 7 box culverts, to J. Ritzinger, Sigourney, $13,422; 11 box culverts, to Knutson Bros., Charlton, $15,663.

North Dakota—See "Streets and Roads."

Missouri—State Hy. Dept., Jefferson City, to Wilson Constr. Co., Warrensburg, two 10 ft. rein.-con. slab spans, etc., over Wild Cat Creek, Iron Co., $1,821; to Quinlan & Kerns Constr. Co., Kansas City, one 25 ft. rein.-con. deck girder span, etc., over stream, Henry Co., $2,167; to J. G. Nevels & Masoner, Willow Springs, three 30 ft. rein.-con. deck girder spans, etc., over Jamup Creek, Shannon Co., $4,867; to Griffin & Harlin, Gainesville, three 30 ft. rein.-con. deck girder spans, etc., over Honey Creek, Douglas Co., $5,149; to Humphreys & Stebbens, Fredericktown, three 40 ft. rein.-con. deck girder spans, etc., over Turkey Creek, Madison Co., $7,554; to Western Bridge Co., Harrisonville, three 130 ft. rein.-con. arch spans, etc., over Elk River, McDonald Co., $45,478; to Beard & Crews, Warrenton, one 70 ft. steel truss and seven 40 ft. rein.-con. deck girder spans, etc., over Big Gravois Creek, Morgan Co., $19,548; to J. P. Harian, West Plains, three 16 ft. rein.-con. slab spans, etc., over South Fork, $3,874, three 20 ft. rein.-con. slab spans, etc., on road from West Plains, west, $4,394, both in Howell Co.; to Nevada Constr. Co., Nevada, one 60 ft. steel truss span, etc., over Little Dry Wood Creek, $13,554, one 80 ft. steel truss span, etc., over Old Channel Little Dry Creek, $14,342, both in Vernon Co.; to R. P. Harper Constr. Co., Leona, Kan., six 40 ft. rein.-con. deck girder spans, etc., over Douglas Branch, $20,151, one 140 ft. steel truss span, etc., over Monnaton River, $35,219, both in Vernon Co.; one 100 ft. steel truss span, etc., over Little Weambleau Creek, Hickory Co., $12,180; to C. T. Fogle Constr. Co., Jefferson City, three 80 ft. rein.-con. arch spans, etc., over Bull Creek, $21,022, three 70 ft. steel truss spans, etc., over Bear Creek, $19,702, both in Taney Co.; to Phillips & Rigsby, Waynesville, repairing bridge over Big Piney River, Texas Co., $4,075. Grand total $193,997.

Colorado—See "Streets and Roads."

Calif., Ventura—State Hy. Comn., Sacramento, one 30 ft. span and three 60 ft. spans, rein.-con. girder bridge, over Ventura River, near here, to O. Parlier, Tulare, $19,998. Noted Apr. 23 under "California."

Railways

CONTRACTS AWARDED

Pennsylvania—Pennsylvania R.R., Broad St. Sta., Phila., A. C. Shand, ch. engr., grading and masonry work on Sect. 4 of Canton, Ohio, to Bayard cut-off, to Ferguson & Edmundson, Keystone Bldg., Pittsburgh. Engrs. est. $325,000. Former contract rescinded. Noted Apr. 9 under "Ohio."

Pennsylvania and Ohio — Pennsylvania R.R. Co., Broad St. Sta., Phila., widening Tunnel 4 at Dinsmore, Pa., and Tunnel 5 at Gould, O., on Pittsburgh, Cincinnati, Chicago & St. Louis Div., to J. F. Casey Co., Aspinwall, Pa.

Kansas—Chicago, Rock Island & Pacific R.R. Co., La Salle St. Sta., Chicago, grading for 19 mi. second main line track between Latimer and Dwight, here, to Flick Constr. Co., 133 West Washington St., Chicago, Ill.

Tex., Lubbock — Atchison, Topeka & Santa Fe R.R. Co., Railway Exch., Chicago, grading and laying 70 mi. track west from here to R. and F. Switch Track Constr. Co., Keystone Bldg., Houston, approximately $800,000.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Mass., New Bedford—E. and G. R. Wood, plans filling and dredging in Acushnet River. $25,000. Private plans.

BIDS DESIRED

La., Shreveport — June 10, by Comrs. Caddo Levee Dist., 120,000 cu.yd. excav. and clearing 109.5 acres in Swift Bayou sub-lateral; 150,000 cu.yd. excav. and clearing 118 acres in Simpson Lake lateral; 222,000 cu.yd. excav. and clearing 156 acres in Cottonwood Bayou to Myricks Bayou lateral, etc., Caddo Parish. State Engineers, New Court House, New Orleans, engrs.

Minn., Fairmont — June 10, by W. M. Canfield, aud. Martin Co., approximately 25,541 ft. 6- to 28-in. tile in Judicial Ditch 111. $18,224. E. A. Siemen, Fairmont, engr. Noted Jan. 15.

Ia., Webster City — June 11, by L. L. Doolittle, aud. Hamilton Co., constructing Vandie Mattice Dist. 247, Sect. 1, 8,136 lin. ft. 6- to 22-in. tile drains in main ditch, 14,568 lin.ft. 6- to 12-in. tile in branches, Sect. 3, 46,000 ft. 6 in. tile in Mattice branches. $36,000.

CONTRACTS AWARDED

Ia., Newton—Jasper Co., 900,000 cu.yd. excav. in D. D. 17, Sect. 1, to Mulgrew & Sons, Dubuque, at $0.06 per cu.yd; in Sect. 2, to Mathews Bros., Erie, Ill., at $0.0648. Noted May 7.

Neb., Columbus—Oconee D. D., approximately 122,388 cu.yd. excav. in Lost Creek, to Martin-Day Co., Lincoln, at $0.084 per cu.yd. Noted Apr. 30.

Ark., Osceola—Sub Dist. 1 D. D., Mississippi Co. 6.8 mi. new ditches, 6 to 10 ft. bottoms, 211,200 cu.yd. excav. for drag line, etc., to F. C. Morgan, 709 Lemcke Bldg., Indianapolis, Ind., at $0.0937 per cu.yd., total $19,700. Noted May 14.

Ontario—F. Ritchie, clk. West Gwillimbury Twp., Gilford, constructing Holland River Marsh Drainage system, in West Gwillimbury and King Twps., and village of Bradford, to Chatham Bridge & Dredging Co., Merchants Bank Bldg., Chatham. Engrs. est. $150,000. Noted Mar. 26.

Streets and Roads

PROPOSED WORK

Maine — State Hy. Comn., State House, Augusta, plans improving 8 mi. highway in Lewiston, Green and Leeds, 4 mi. highway in Newport, Palmyra, Detroit and

Streets and Roads (Continued)

Pittsfield, and 4 mi. highway in Rockland and Thomaston, $798,698; also 3.77 mi. highway from York Center to Cape Neddick, 1.4 mi. highway from Rices Corner to York Corner, 1.9 mi. Kennebec Turnpike, 8 mi. Biddeford Underpass, and 2.87 mi. highway in Windham and Raymond, $602,798.

Mass., Needham — Bd. Selectmen plans relocating and widening Great Plain Ave. from Nehalden St. to Town Line at Pickering St. To exceed $25,000. Engineer not selected.

Rhode Island—State Bd. Pub. Wks., State House, Providence, plans constructing Market St. from Main St. to Massachusetts State Line; in Warren. To exceed $25,000.

R. I., East Providence (Providence P. O.) —Town Council plans reconstructing and improving of 5th, James and Purchase Sts. $25,000. C. McCann, supt. Dept. Highways.

R. I., Providence — City, W. F. Slade, chn. Dept. Pub. Wks., plans constructing Rosebank Ave., 6th and Berlin Sts., as highways, $25,000; also voted $200,000 bonds repaving various streets.

R. I., West Warwick — Bd. Selectmen plans reconstructing highways and bridges, $35,000 appropriated.

W. Va., Pineville — Wyoming Co. voted $325,000 bonds, road work in Slab Dist. I. E. Basham, Pineville, engr.

W. Va., Ripley — Jackson Co. election June 16, $90,000 bonds, for roads in Washington Dist. M. M. Parsons, Ripley, engr. Noted May 7.

Fla., Dade City—Pasco Co. soon takes bids improving about 100 mi. various highways. $1,330,000 bonds voted. F. D. Cosner, Dade City, engr.

Fla., Fernandina — Nassau Co., making preliminary surveys determining bond issue which will be called soon improving various roads. N. A. Hotard, New Smyrna, engr.

Miss., Blue Mountain—Tippah Co. election June 9, $75,000 bonds, hardsurfacing various roads.

Miss., Greenville—Washington Co. voted $150,000 bonds improving various roads.

Miss., Ripley—Tippah Co. defeated $225,000 bonds, hardsurfacing road through county. Noted Apr. 30.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, making surveys improving 35 mi. Clarksville-Waverly Rd., Montgomery and Humphreys Counties, and 5 mi. Wartburg-Sunbright Rd., Morgan Co. J. G. Creveling, highway comr.

Tenn., Knoxville—Plans oil surfacing 25 or 30 mi. various streets. A. Harris, City Hall, dir. Pub. Wks.

Tenn., St. Elmo—Election soon $60,000 bonds paving, curbing, guttering and sewers in various streets. Address City Commissioners.

O., Canton—Stark Co. soon takes bids brick on concrete paving 1 mi. Canton-Louisville Rd., $25,000; and 0.75 mi. Canton-Massillon Rd., $35,200, both 16 ft. A. M. Wise, Court House, engr.

O., Cincinnati—Plans grading, curbing sidewalk and paving 3,195 ft. Mitchell Ave., 200 sq.yd. granite block, 2,100 cu.yd. concrete, etc., $116,510; sidewalks and paving 585 ft. Sycamore St., 2,660 sq.yd. granite block, and 540 cu.yd. concrete. $35,086. F. Krug, City Hall, engr.

O., Lisbon—Columbiana Co. soon takes bids improving 1 mi. Shadyside Ave., $25,000; and 1 mi. Camp Ground Rd., $25,000, both 16 ft. wide. L. C. Kirk, Lisbon, engr.

O., Marysville — Union Co. soon takes bids improving 4.5 mi. Marysville-Bellefontaine Rd., 16 ft., $144,624; and macadam on concrete paving 4.4 mi. same road, 16 ft., $131,547.

O., Warren — Trumbull Co. takes bids this year resurfacing Cleveland-East Liverpool Rd., $100,000; Youngstown-New Bedford Rd., $25,000; and Canfield-Columbiana Rd., $25,000.

O., Warren—Plans widening and asphalt paving East Market St. $150,000.

Illinois—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, rejected bids concrete paving 3.56 mi. Route 8, Sect. 40, Knox Co., and 8.6 mi. Route 41, Sect. 14, Knox Co. F. T. Sheets, ch. engr. Noted Dec. 4.

Ill., East St. Louis—Making preliminary plans grading, curbing and rein.-con. surfacing State St. $25,000. W. McK. Brown, City Hall, engr.

Ill., La Grange Park (La Grange P. O.) —Making preliminary plans grading, curbing, sewers and rein.-con. surfacing 10,260 sq.yd. various streets, etc. in Special Assessment Dist. 26. $52,392.

Ill., Villa Grove — Making plans paving various streets. $50,000. Holbrook, Warren & Van Praag, 416 Millikin Bldg., Decatur, engrs.

Ia., Iowa City—Plans paving 14 blocks various streets. $55,000. G. J. Dohrer, city clk.

Ia., Ottumwa — Plans paving, etc., 10 blocks various streets. $40,000. H. H. Cook, city engr.

Minn., Cannon Falls — Making plans curbing, guttering, paving, etc., approximately 11,000 sq.yd. Main St. $25,000. L. P. Wolff, 903 Globe Bldg., St. Paul, engr.

N. D., Grand Forks—Plans paving 15 blocks various streets. $60,000. C. J. Evanson, city aud.

N. D., Lakota—Nelson Co. plans graveling about 22 mi. Trail 12 from Lakota south to Pekin, $30,000; and about 8 mi. Highway 8, west Ramsey Co. line, $11,000. P. Jorgenson, co. aud.

Missouri — State Hy. Dept., Jefferson City, plans grading 46.074 mi. various roads in Andrew, Jefferson, Marion, Mercer and Scott Counties; 30 ft. grading 43.7 mi. roads in Boone, Miller, Phelps and Reynolds Counties; 16 ft. gravel surfacing 25.835 mi. roads in Knox, Lewis and Scotland Counties; 18 ft. gravel surfacing 9 mi. roads in Audrain Co.; 20 ft. gravel surfacing 19.684 mi. roads in Howell and Moniteau Counties; 9 ft. concrete paving 11.987 mi. roads in Grundy and Mercer Counties; 18 ft. concrete surfacing 34.177 mi. roads in Andrew, Buchanan, Cape Girardeau, Jefferson, Marion and Scott Counties. B. H. Piepmeier, ch. engr.

Tex., Anson—F. E. Devlin Eng. Co., Anson, and Bitting Bldg., Wichita, Kan., postponed bids which were to have been opened June 5, grading, bridging, etc., 15.73 mi. State Aid Project 598 A, $160,000; and 15.97 mi. State Aid Project 598 B, $150,000, for Jones Co. Will readvertise. Noted May 21.

Tex., Anson—Jones Co. soon takes bids grading, bridging, etc., 15.27 mi. State Highway 18, 26 ft. $73,000. J. W. Puckett, Stamford, co. engr.

Tex., Big Springs — Making preliminary plans paving various streets. $60,000 or more. Montgomery & Ward, Wichita Falls, engrs.

Tex., Breckenridge — Stephens Co. plans hardsurfacing 15 mi. Breckenridge-Throckmorton Rd., 18 ft. $300,000. $150,000. Address County Judge.

Tex., Brownfield—Terry Co. election June 20, $200,000 bonds for road work. H. R. Winston, Brownsfield, co. judge.

Tex., Childress — Voted $65,000 bonds, paving and hard-surfacing various streets. R. G. Carraway, engr. Noted Apr. 16.

Tex., Corsicana — Navarro Co. election June 16, $7,000,000 bonds hardsurfacing various roads. W. W. McClendon, Corsicana, engr. Noted May 7.

Tex., Galveston—Voted $150,000 bonds, paving various streets. C. A. Holt, Jr., city engr. Noted May 7.

Tex., Galveston—Galveston Co. election June 20, $500,000 bonds for road work. E. B. Holman, Galveston, co. judge.

Tex., Harlingen—Election soon $100,000 bonds, paving various streets. Address Mayor.

Tex., Port Arthur—City takes bids after June 8, asphalt, rock asphalt or brick surfacing approximately 90,000 sq.yd. various streets. $290,000. Nagle, Witt & Rollins, Court House, Dallas, and Houston, engrs.

Tex., Vernon — Made plans paving 2 blocks Fannin St., and 8 blocks South Main St. $25,000. J. B. Nabors, Vernon, engr. Noted Apr. 16.

Tex., Waco — Defeated $250,000 bonds for street improvements. V. G. Koch, city engr. Noted Apr. 9.

Tex., Wortham—Making plans brick or concrete paving various streets. $100,000 or more. J. E. Johnson, Teague, engr. Noted May 7.

Okla., Durant—Plans grading, curbing and concrete surfacing 14,700 sq.yd. Pecan and Chestnut Sts. $43,000. L. V. Stinson, Durant, engr.

Okla., El Reno—Plans grading, curbing and concrete surfacing 21,120 sq.yd. Choctaw Ave., $42,000. Peckham & James, 227 West Grand St., Oklahoma City, engrs.

Okla., Mangum—Plans grading, curbing and concrete surfacing 14,100 sq.yd. Greer, Jackson and James Sts. $42,000. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Wash., Seattle—Bd. Pub. Wks., takes bids about June 19, grading Letitia Ave. et al, Rainier Valley Dist. $87,000. J. D. Blackwell, Seattle, engr.

Wash., Walla Walla—Making plans and takes bids about June 18, constructing 6 mi. Harvey Shaw Rd. L. O. Kennery, Walla Walla, engr.

California—State Hy. Comn., Sacramento, making plans grading uncompleted portions of Truckee River Highway, in Nevada Co. To exceed $25,000. R. M. Morton, Forum Bldg., Sacramento, highway engr.

Calif., Claremont—Making plans 7 in. asphalt paving various streets. To exceed $25,000. O. A. Gierlich, 1st Natl. Bank Bldg., Monrovia, engr.

Calif., El Monte — Making plans 2 in. bituminous on 7 in. concrete repaving Main St., etc. To exceed $25,000. O. A. Gierlich, First Natl. Bank Bldg., Monrovia, engr.

Calif., Fairfield — Solano Co. making plans grading, paving, etc., 6.22 mi. highway from Vacaville up the valley, consisting of 4.4 mi. 4 in. asphaltic concrete paving, 16 ft. wide, 1 mi. 2 in. asphaltic concrete surfacing, and 0.82 mi. 5 in. asphaltic concrete paving, 16 ft. wide; also grading and graveling highway from this Corners to Oakdale School Dists. north. F. E. Steiger, Fairfield, co. surv.

Calif., Los Angeles—Plans improving 10 mi. road from Wilshire to Ventura Blvds. along projected line of Sepulveda Blvd., incl. tunnel, 42 ft. wide, 28 ft. high, 700,000 cu.yd. earth or stone. Engineer not selected.

Calif., Los Angeles—Plans grading, paving, sidewalk, etc., on Oakglen Pl., Fellowship Park, Leslie Way, Rosewood and Bronson Aves., Effie and Clermont Sts. H. A. Van Norman, city engr.

Calif., Marysville—Yuba Co. plans election $800,000 or more bonds, for road construction.

Calif., Riverside — Making plans 6 in. paving, curbing, guttering, etc. Market St. To exceed $25,000. L. Nafzgar, city engr.

Calif., San Diego — Common Council, plans improving National Ave. between 31st and 41st Sts., 2,162 cu.yds. excav., 1,028 cu.yds. embankment, 25,763 sq.ft. gutter surfacing with 1½ in. asphaltic concrete, 310,514 sq.ft. paving with 1½ in. asphaltic concrete on 5 in. concrete, 6,755 sq.ft. concrete sidewalks, 1,391 lin.ft. concrete curbing, etc. F. A. Rhodes, city engr.

Calif., Santa Monica — Making plans resurfacing with permanent surface unimproved alleys throughout city. To exceed $25,000. H. B. Carter, city engr.

Calif., Stockton—Making plans paving, grading, curbing, etc., Pacific Ave. between Harding Way and city limits. To exceed $25,000. W. B. Hogan, city engr.

Ontario—Northern Development Branch Dept. Provincial Highways, Parliament Bldg., Toronto, soon takes bids graveling 40 mi. trunk road from North Bay to Cobalt. $500,000. C. H. Fullerton, ch. engr.

Ont., Amherstburg—Essex Co. plans concrete paving 45,000 sq.yd. Front Rd. $130,000. J. J. Newman, Davis Blk., Windsor, engr.

Ont., Durham — Plans concrete paving Bruce and Lambton Sts. $40,000. W. B. Vollett, town engr.

Ont., Hamilton — Plans asphalt paving Robert St. $14,810, and Markland St. $21,310. W. L. McFaul, city engr.

Ont., Kingsville—Essex Co. plans concrete paving 18,000 sq.yd. Davison Rd. $45,000. J. J. Newman, Davis Blk., Windsor, engr.

Ont., Neustadt — Plans concrete paving Main St. $30,000. F. W. Thorold, Queens Hotel, engr.

Ont., Simcoe—Plans cement paving various streets. $50,000. G. Marston, city engr.

Ont., Whitby—Ontario Co. plans grading, graveling, etc. various roads. $69,000. D. J. Kean, County Bldg., engr.

BIDS DESIRED

New York — June 26, by R. K. Fuller, comr. Canals & Waterways, Albany, constructing pavements and completing approaches of bridge across Mohawk River, between Schenectady and Scotia; adv. E. N.-R. June 4.

N. Y., Brooklyn—June 10, by J. A. Guider, boro pres., Boro Hall, paving 76th St., Bay Ridge, New York, and Liberty Aves.; curbing, paving, etc. Bedford Ave., Colonial Rd., Ave. O, Elmore Pl., East 26th and 65th Sts.; repaving Fleet St., Rugby Rd., Bedford and Liberty Aves.; resurfacing East 26th St.; and sewers in East 23rd and 26th Sts.

N. Y., Hudson—June 16, by Comn. Pub. Wks., grading and concrete paving various streets. $50,000. G. Marston, city engr. M. J. O'Hara, supt.; adv. E. N.-R. June 4.

N. Y., Long Island City — June 8, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, regrading, curbing, paving, etc. Woodhaven and Jamaica Bay Blvds.

N. Y., New York—June 8, by J. E. Bowe, comr. Purchase, Municipal Bldg., asphalt on various streets, for Dept. Water Supply, Gas & Electricity.

N. Y., New York—June 11, by J. Miller, pres. Manhattan Boro, Municipal Bldg., granite block repaving West, Marginal and Attorney Sts.; sheet asphalt paving Mangin St.

New Jersey — June 9, by Freeholders Mercer Co., Trenton, 5,300 lin.ft. 8 in. double line concrete paving Zenker Rd., Trenton Junction, $63,000; and 2,250 ft. Parkway Ave., Trenton, $13,000. H. F. Harris, Court House, Trenton, engr.

New Jersey—June 15, by Bd. Freeholders Hunterdon Co., at office State Hy. Dept., Trenton, rein.-con. paving 51,915 sq.yd.

Streets and Roads (Continued)

Ringoes-Flemington Rd. F. J. Dineen, clk.; adv. E. N.-R. June 4.

New Jersey — June 15, by State Hy. Dept., Trenton, grading, etc., State Highway Routes 2, 3 and 6, in City of Camden, Boro of Collingswood and Twp. of Pennsauken. A. L. Grover, secy.; adv. E. N.-R. June 4.

New Jersey — June 22, by State Hy. Dept., Trenton, reconstructing Route 2, Sect. 8, Burlington Co., and constructing Route 4, Sect. 31, Burlington and Ocean Counties. A. L. Grover, secy.; adv. E. N.-R. June 4.

N. J., Belvidere—June 17, by Bd. Freeholders Warren Co., rein.-con. paving 32,842 sq.yd. Phillipsburg-Belvidere Rd., Sect. 2. M. S. Faust, clk.; adv. E. N.-R. June 4.

N. J., Norwood—June 10, by Mayor and Council, grading, macadamizing and improving Summit St. and Blanche Ave. W. G. Clark, 9 Hillside Ave. Tenafly, boro engr.; adv. E. N.-R. June 4.

Pennsylvania — June 9, by State Hy. Dept., Harrisburg, rein.-con. paving 118,343 ft. 11 projects, in Allegheny, Armstrong, Beaver, Blair, Clearfield, Forest, Mifflin, Westmoreland and Washington Counties; vitr. brick on 5 in. broken stone and 3 in. penetration macadam paving, 375 ft., 1 project Carbon Co.; rein.-con. on Hillside vitr. brick paving 9,982 ft. 1 project in Susquehanna Co. P. D. Wright, secy. highways. Noted May 14.

Pa., Cheswick—June 16, by D. C. Marks, secy. Boro Council, grading, curbing, guttering and concrete sidewalks on 47,000 sq. ft. Maple and Oak Sts., Highland, Allegheny, South Highland and MacLean Aves. Douglas & McKnight, 912 Columbia Bldg., Pittsburgh, engr.

Pa., Mt. Oliver—June 5, by Boro Council, grading, curbing and paving Moye Pl. from Sherman to Walnut Sts. $25,000. T. J. McGovern, Boro Hall, engr.

Pa., Washington—June 8, by T. J. Underwood, controller Washington Co., improving 7,650 ft. Hickory-Venice Rd., 3,155 ft. Blainesburgh Rd., and 8,422 ft. Beallsville-Zollarsville 3.

Ga., Cartersville—June 12, by Bd. Aldermen, at office H. C. Nelson, mayor, vitr. brick, concrete, sheet asphalt, asphaltic concrete, or Finley sheet asphalt, etc. surfacing 17,165 sq.yd. various streets. Thomas, 208 Wynne-Claughton Bldg., Atlanta, engr.

Fla., Deland — July 1, by Bd. Bond Trustees, City Hall, for water works, sanitary and storm sewers, and street improvements. J. B. McCrary Eng. Corp., Atlanta, Ga., engrs.; adv. E. N.-R. June 4. Noted Dec. 18 under "Streets and Roads."

Alabama — July 8, by State Hy. Dept., Montgomery, improving 16.27 Thomasville-Grove Hill Rd., State Project 21-B, Clarke Co., 77.55 acres clearing and grubbing, 38,920 cu.yd. rock and 324,280 cu. earth excav., 134,694 lb. reinforcing, etc.; 1.17 mi. Brewton-Andalusia Rd., State Project 33-B, Escambia Co., 1 acre clearing and grubbing, 4,369 cu.yd. excav., etc.; 22.2 mi. Opelika-Lafayette Rd., State Project 9, Lee and Chambers Counties, 12.25 acres clearing and grubbing, 5,862 cu.yd. rock and 148,290 cu.yd. earth excav., 37,700 lb. reinforcing, etc. W. S. Keller, highway engr.

Miss., Hattiesburg — June 6, by Secretary Forrest Co., grading and Warrenite surfacing 137,425 sq.yd. roads in Dist. 1. Former contract rescinded. Noted Apr. 9.

Louisiana—June 18, by State Hy. Comn., Reymond Bldg., Baton Rouge, graveling 4.96 mi. State Project 478, Oak Grove-Port Vincent Highway, Ascension Parish. W. B Robert, state engr.

Tenn., Dickson—June 15, by City Council, 1½ in. rock asphalt on two course limestone surfacing 5,600 sq.yd. Main St. H. T. Miller, mayor.

Tenn., Jackson—June 11, by C. E. Griffin, comr. Pub. Utilities, improving various streets, 43,000 sq.yd. surfacing, 27,000 lin.-ft. curb and gutter, 1,100 ft. storm sewers, etc. E. R. Dike, city engr.

Ky., Henderson — June 11, by commissioner Pub. Wks., grading, paving, etc. 2nd street from Water to Ingram Sts. C. F. Hall, mayor.

O., Akron—June 15, by W. F. Peters, dir. Pub. Serv., grading, curbing, and vitr. brick paving, etc., 6,000 sq.yd. Dayton St. $41,500, 3,600 sq.yd. Bloomfield Ave. $25,000; grading, curbing, laying sidewalks and vitr. brick paving, etc., 3,670 sq.yd. Mallison Ave. $33,400, 1,340 sq.yd. Mapledale Ave. $12,400, 10,500 sq.yd. Ackley St. et al. $10,600, 1,320 sq.yd. Marion Pl. $10,900, and 1,215 sq.yd. Moffatt Pl. et al. $6,700; resurfacing old brick paving and vitr. brick guttering 3,030 sq.yd. Cuyahoga Falls Ave., $81,200. E. A. Kemmler, Delaware Bldg., engr. Noted May 21.

O., Cincinnati—June 5, by Comrs. Hamilton Co., improving 9,510 ft. Brower Rd., 41,300 gal. tar, Grade 1, 2,000 cu.yd. grading, 165,000 sq.yd. 10 in. waterbound macadam, etc., $30,467; 7,867 ft. Enyart Rd., 35,500 gal. tar, Grade 1, 2,000 cu.yd. grading, 14,200 sq.yd. 10 in. waterbound macadam, $26,723; 16,900 ft. Given Rd., 78,000 gal. tar, Grade 1, 5,000 cu.yd. grading, 31,200 sq.yd. 4 in. waterbound macadam on 6 in. base, $57,787; 6,400 ft. Rapid Rd. Pk., 30,000 gal. tar, Grade 1 5,000 cu.yd. grading, 12,000 sq.yd. bituminous macadam, etc., $27,944. E. A. Gast, Court House, engr. Noted Apr. 16 and May 21.

O., Columbus—June 9, by W. H. Duffy, dir. Pub. Serv., grading, laying necessary water services and sewer connections and paving with (a) asphalt (b) brick or (c) concrete 2,234 ft. alleys west Neil and Harrison Aves., 6th and 17th Sts., and second alley north Oak St., also Pearl and Cherry Sts., 20 ft. (b) $18,369 (c) $16,126; 4,467 ft. Swain St., Jason, Nashoba, Linden and Myrtle Aves., 24 ft., (a) $71,973 (b) $94,719 (c) $5,937; 468 ft. Pearl St. and alley north Patterson Ave., 15 ft. (b) $2,901 (c) $2,586; 664 ft. Carey Ave., 15 and 20 ft. (b) $5,448 (c) $4,906; 447 ft. Belnkner St., 21 ft. (b) $5,803 (c) $3,936; 3,052 ft. Kelton Ave., 30 ft. (a) $44,224 (b) $56,529; 600 ft. 6th St., 26 ft. (a) $9,438 (b) $11,981; 330 ft. alley north 2nd Ave., 15.42 ft. (b) $2,206 (c) $1,945; 509 ft. alley west Avondale St., 6 ft. (b) $3,351 (c) $2,936; 411 ft. alley north Smith Pl., 21.25 ft. (b) $3,367 (c) $3,228; 518 ft. alley north Hanford St., 16 ft. (b) $3,546 (c) $3,131.

O., Mansfield—June 18, by H. C. Lynch, dir. Pub. Serv., City Hall, improving Glessner Ave., 104,000 sq.yd. paving, 6,330 lin. ft. concrete curbing and guttering, etc. W. C. Statler, city engr. Noted May 21.

O., Rocky River—June 9, by City, asphaltic concrete paving various streets. $45,000. E. H. Arnold, Rocky River, engr.

Michigan—June 8, by State Hy. Dept. at office Comrs. St. Joseph Co., Centerville, bituminous concrete paving 7.741 mi. State Trunk Line Rd. 13-68. G. C. Dillman, Lansing, ch. engr.

Michigan—June 8, by State Hy. Dept. at office Comrs. Kalamazoo Co., Kalamazoo, bituminous concrete paving 1.512 mi. State Trunk Line 13-69. G. C. Dillman, Lansing, ch. engr.

Michigan—June 12, by State Hy. Dept. at office Comrs. Osceola Co., Hersey, concrete paving 1.789 mi. Trunk Line Rd. 13-53 A and B, 20 ft. G. C. Dillman, Lansing, ch. engr.

Ill., Pekin—June 10, by B. F. Michael, pres. Bd. Local Impvts., rein.-con. surfacing 25,603 sq.yd. various streets. B. F. Smith, Pekin, engr.; adv. E. N.-R. June 4.

Wis., Cudahy—June 23, by C. Wolbert, city clk., integral curbing and vibrolithic or concrete paving 24,164 sq.yd. Pulaski, Bernard and Layton Aves. R. A. Steinhagen, 845½ 36th St., Milwaukee, engr. Noted Jan. 29.

Wis., Elkhorn—June 6, by Walworth Co. Hy. Com., at Court House, gravel surfacing 1,200 cu.yd. Lake Geneva-Delavan Rd., Trunk Highway 50, 5,700 cu.yd. Williams Bay, Walworth Rd., Trunk Highway 36, and 2,700 cu.yd. Delavan-Fontana Rd., Co. Trunk F. J. H. Peters, comr.

Wis., Milwaukee—June 8, by Dept. Pub. Wks., sheet asphalt paving 8,312 sq.yd. Prospect Ave.; asphalt resurfacing 4,040 sq.yd. Marietta Ave. and 4,031 sq.yd. National Ave. $70,000. J. Schwada, city engr.

Wis., Milwaukee—June 9, by Dept. Pub. Wks., concrete paving, etc., various alleys. J. Schwada, city engr.

Wis., Wauwatosa—June 12, by Bd. Pub. Wks., concrete paving, etc., 21,750 sq.yd. various streets. J. E. Lowther, City Hall, engr.

Ia., Council Bluffs—June 8, by W. A. Groneweg, city clk., City Hall, curbing, concrete, asphalt or brick surfacing, etc. approximately 80,000 sq.yd. various streets in Paving Dists. 1, 2 and 3. H. J. Wayne, city engr.

Ia., Madrid—June 8, by C. S. Adams, city clk., paving 12 blocks various streets. $40,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs. Noted Feb. 19.

Minnesota—June 16, by State Hy. Dept., 1246 University Ave., St. Paul, (**S. P. means State Project and F. A. P. means Federal Aid Project**), grading 175,000 cu.yd. S. P. 1-44, Sect. 7, F. A. P. 372, 136,000 cu.yd. S. P. 1-44, Sect. 8, F. A. P. 373, 150,000 cu.yd. S. P. 19-21, F. A. P. 373, 266,000 cu.yd. S. P. 27-28, F. A. P. 172, and 125,000 cu.yd. S. P. 34-23, F. A. P. 274; concrete paving, etc., 56,200 sq.yd. S. P. 1-44, Sect. 1, Div. B, F. A. P. 1, 57,900 sq.yd. S. P. 1-44, Sect. 4, F. A. P. 1, 26,500 sq.yd. S. P. 3-38, Sect. 1, F. A. P. 371-A, and 86,000 sq.yd. S. P. 3-45, Sect. 1, Div. C and E, F. A. P. 363-A. Eng. Dept. State Highway Dept., engrs.

Minnesota—June 16, by State Hy. Comn., 1246 University Ave., St. Paul, (**S. P. means State Project and F. A. P. means Federal Aid Project**), grading and gravel surfacing 4.4 mi. Minneopa Park-Lake Crystal Rd., S. P. 16-25, F. A. P. 319, $39,000; 10.5 mi. S. P. 10-51 Sect. 1, F. A. P. 226, and 5.4 mi. S. P. 10-51 Sect. 2, F. A. P. 361, $53,000; 6.5 mi. S. P. 13-21, Sect. 1, and 2.9 mi. Sect. 2, F. A. P. 346, $34,700; 10 mi. Little Falls-Randall Rd., S. P. 37-21, F. A. P. 334, $33,000.

North Dakota — June 11, by State Hy. Comn., Bismarck and Comrs. Bottineau Co., Court House, Bottineau, (F. A. P. means Federal Aid Project) graveling, etc. 5.271 mi. F. A. P. 43, east of Bottineau, 2.888 mi. F. A. P. 170, from east county line, 0.95 mi. F. A. P. 198, at Mouse River west of Bottineau, 5.2718 F. A. P. 43, east of Bottineau, and 7.8 mi. F. A. P. 145, west of Bottineau.

Mo., Kirksville—June 15, by City Clerk, grading, curbing and concrete paving 12,000 sq.yd. various streets. B. Crabtree, City Hall, engr. Noted Mar. 26.

Mo., St. Louis — June 30, by Bd. Pub. Serv., 208 City Hall, grading and concrete paving 38,960 sq.yd. City Blocks 1580, 1664, 2198, 2643, 2675, 2731, 2772, 2943, 3390, 3851 B, 4131, 4502 N, 4534, 5081, 5082, 5091, 5238, 5251, 5329, 5347, 5403, 5537, 5402, 5543, 5546 and 5679. $107,150. W. W. Horner, City Hall, engr.

Tex., Alpine—June 12, by J. A. Burke, judge Brewster Co., grading, clearing, grubbing, bridging, etc., 5.13 mi. State Highway 3, Federal Aid Project 378-E, 26 ft., 64,144 lb. reinforcing, etc. $49,083. A. L. White, Alpine, co. engr. Noted May 28.

Tex., Center—Shelby Co. taking bids improving 5.02 mi. State Highway 35, Federal Aid Project 348-A. $44,500. Titus & Dillon, Carthage, engrs. Noted Apr. 9.

Tex., Childress — R. G. Carroway Co., engrs., Childress, taking bids curbing, guttering and paving 69,000 yd. various streets. $150,000. Noted Apr. 16.

Tex., Gatesville — June 11, by L. M. Stinnett, judge Coryell Co., clearing, grubbing, grading, bridging and gravel surfacing 8,382 cu.yd. State Highway 93, State Aid Project 596, 33,875 lb. reinforcing, etc. $37,450. M. L. Minter, Gatesville, engr. Noted Apr. 2.

Tex., Gonzales—Gonzales Co. taking bids improving 8.09 mi. State Highway 81, Federal Aid Project 440-D. $25,000. J. C. Irby, Gonzales, engr. Noted May 21.

Tex., Jourdanton — June 12, by Comrs. Atascosa Co., 16,548 sq.yd. 1 in. rock asphalt surfacing, etc. State Highway 2, Federal Aid Project 332 sq.yd. $28,000. J. C. Curnutte, Jourdanton, engr. Noted Apr. 16.

Tex., Palestine—June 9, by W. C. Quick, judge Anderson Co., grading, bridging and gravel surfacing 10.15 mi. Brushy-Creek-Frankston Rd., 20,359 cu.yd. gravel, 20,652 lb. reinforcing, 120,534 ft. creosoted timber, etc. E. W. Davis, Palestine, co. engr.

Tex., Richmond—June 15, by W. I. McFarlane, judge Fort Bend Co., surfacing with Bates type rein.-con. on sand cushion with shell shoulders, 15.14 mi. State Highway 3, Federal Aid Project 326-2, 18 ft. $448,300. C. H. Kendall, Sugarland, engr. Noted May 14.

Oklahoma—June 15, by State Hy. Dept., Oklahoma City, (**F. A. P. means Federal Aid Project**) grading and concrete surfacing 6 mi. F. A. P. 179, 18 ft., Garfield Co., $180,000; 3 mi. Garber Rd., 18 ft., F. A. P. 181, Garfield Co., $85,000; 3 mi. Red River Rd., 30 ft., F. A. P. 141, Love Co., $85,000; 5 mi. T. K. O. Highway, 9 ft., Murray Co., $60,000; 7 mi. Beggs Rd., 30 ft., F. A. P. 159, Okmulgee Co., $200,000; 4.57 mi. Choctaw-Harrah Rd., 18 ft. F. A. P. 159, Oklahoma Co., $130,000. J. M. Page, Capitol Bldg., Oklahoma City, highway engr. Noted May 28.

Okla., Drumright—June 15, by Peckham & James, engrs., 227 West Grand St., Oklahoma City, grading, curbing and concrete surfacing 8,600 sq.yd. Hillside and Creek Aves., Dist. 6, for City. $34,000.

California—June 15, by State Hy. Comn., Sacramento, bituminous seal coat surfacing 15.6 mi. road between Auburn and point ¾ mi. north of Colfax, Placer Co.; grading and crushed gravel or stone surfacing 6 mi. road between Floriston and Nevada state line, Nevada and Sierra Counties. R. M. Morton, Forum Bldg., Sacramento, highway engr.

Calif., Modesto — June 9, by Supervs. Stanislaus Co., improving 2 in. oil macadam paving 2 mi. Tully and Carver Rds., 16 ft. J. H. Hoskins, Modesto, co. surv.

Ontario—June 9, by W. P. Coyle, clk. Essex Co., Sandwich, rein.-con. paving 50,000 sq.yd. road from Amherstburg northerly to Canard River and Division Rd., in Gosfield Twp. N. $150,000. Newman & Armstrong, Davis Blk., Windsor, engrs.

Ont., Gananoque — June 11, by J. Sampson, town clk., concrete, asphalt or bitulithic paving, etc. 11,000 sq.yd. King St. $40,000.

Streets and Roads (Continued)

James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

BIDS RECEIVED

Maine — State Hy. Comn., Augusta, gravel surfacing 2.91 mi. highway in Ellsworth and Hancock, from Boone & Brewer Constr. Co., Presque Isle, $48,797. Noted May 14.

Massachusetts—Dept. Pub. Wks., State House, Boston, bituminous concrete surfacing, 2,352 ft. highway in Walpole, from Washburn & Sheridan, East Taunton, $14,871; bituminous macadam surfacing 10,480 ft. highway in Littleton and Westford, from A. Pallatio, Dracut, $89,556; gravel surfacing 3,718 ft. highway in Millis, from O. Menici, Brimfield, $11,869; concrete surfacing 7,695 ft. highway in Dartmouth, from L. H. Callan, 208 Franklin St., Bristol, R. I., $198,810; bridge and approaches on 1,850 ft. highway Northbridge, from R. A. Doyle, Lynn, **(item 1)** $45,220 **(item 2)** $45,870. Noted May 28.

Mass., Dorchester (Boston P. O.)—Dept. Pub. Wks., Boston, sheet asphalt or bitulithic paving Blue Hill Ave., here, from H. F. Malley, 174 Hillside Ave., Roxbury, $21,111. Engrs. ests. $25,000.

Conn., Hartford—Concrete paving Ridgefield St. and Westbourne Parkway, from Immick Co., State St., Meriden, $39,241. Noted May 14.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., May 25, grading, curbing and sidewalks on Bway. from Gifford Constr. Co., Fulton St., Jamaica, $13,260, Delta Pl. and Folsom Ave., from Highways Impvt. & Repair Co., 50 Church St., New York City, $16,807 and $21,181 respectively, Pulaski St., from C. Kurth, 9519 126th St., Richmond Hill, $7,955; grading, sidewalks, etc., on 44th Ave., from Peace Bros., Inc., 20 Main St., Flushing, $1,962; asphalt paving Speer St., from Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, $17,877; grading, curbing, sidewalks on Beach 90th St., from J. D'Amata, Rockaway Beach, $8,783. Noted May 21.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., May 27, sheet asphalt paving 137th St. from Asphalt Constr. Co., 208 Bway., $104,904; granite block repaving Canal St., from J. Meehan & Son, 74 Cortlandt St., $54,976. Noted May 21.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, May 26, bituminous concrete repaving Richmond Rd., from J. E. Donovan, 2205 Richmond Terrace, Port Richmond, $13,743. Noted May 21.

New Jersey—State Hy. Dept., Trenton, concrete paving 48,325 sq.yd. Route 8, Sect. 6, Passaic and Morris Counties, from Salmon Bros., Netcong, $299,695. Noted May 14.

Delaware — State Hy. Dept., Dover, from Stewart & Donohue, 14th and Grant Sts., Wilmington, improving 1.35 Mermaid-Milltown (Limestone Rd.) Contr. CN-22, 6,600 cu.yd. excav. $1.40 per cu.yd. 100 cu.yd. rock excav. $3.50, 100 tons broken stone base course $5, 2,700 cu.yd. concrete paving $15.80 total $63,738; from George & Lynch, Dover, 5.18 mi. Kenton-Maryland Line, Contr. C. K. 25, 28,500 cu.yd. excav. $1.05, 2,000 cu.yd. borrow $1.05, 120 tons broken stone $4, 9,000 cu.yd. concrete paving $14.25, 27,350 lin.ft. metal joint $0.15; total $179,895; from Roberts Paving Co., Salisbury, Md., 5.12 mi. Waples Mill-Brick Granary, Contr. CS-39, 18,200 cu.yd. excav. $0.90, 100 tons broken stone $5, 8,900 cu.yd. concrete paving $16.40, 27,020 lin.ft. long metal joint $0.18, total $248,393. Noted Apr. 30.

S. C., York—York Co., hardsurfacing 6.5 mi. State Route 5, from R. G. Lassiter, Citizens Bank Bldg., Raleigh, N. C., $195,993; 6.6 mi. same road, from J. L. Humbard, Empire Bldg., Knoxville, Tenn., $191,887.

La., Baton Rouge—Comn. Council, May 5, hardsurfacing 9 mi. various streets, from R. G. Lassiter and T. Harrison, Baton Rouge, $439,894. Noted Apr. 30.

O., Akron — Grading, laying sidewalks and vitr. brick paving, etc., 5,100 sq.yd. Merriman Rd., and 3,870 sq.yd. Ecton Rd., from T. E. McShaffrey Constr. Co., 173 South Forge St., Akron, $24,988 and $27,674 respectively. Engrs. est. $31,700 and $35,500 respectively. Noted May 7.

O., Akron—Comrs. Summit Co., improving Kenmore-Mogadore Rd., 3,060 sq.yd. vitr. brick and 6,160 sq.yd. concrete paving, 1,020 lin.ft. stone curbing, 30,250 cu.yd. earth excav., from A. E. Guildford Constr. Co., Metropolitan Bldg., $58,361. Engrs. est. $68,000.

O., Cleveland—City, paving with **(a)** asphalt **(b)** brick or **(c)** granite **(1)** Ella Ave. **(2)** East 133rd St. **(3)** West 126th St. **(4)** St. Clair Ave. from East 140th to East 152nd Sts., (1 to 4 inclusive) involves 17,210 ft. asphaltic concrete or brick paving, 9,595 ft. stone curbing, etc., **(5)** Baldwin Rd. **(6)** Erin Ave. **(7)** Lardet St. **(8)** West 127th St. (5 to 8 inclusive) involves 15,780 sq.yd. asphaltic concrete or brick, 10,340 sq.yd. stone curbing, etc., **(9)** Nelson Ave. **(10)** Ernest Ave. **(11)** Wickford Rd. **(12)** West 128th St. **(13)** West 169th St. **(14)** Melzer Ave. **(15)** St. Clair Ave., (9 to 15 inclusive) involves 22,120 sq. yd. brick or asphaltic concrete, 25,230 lin. ft. stone curbing, etc., from Enterprise Paving & Constr. Co., 8444 Bway., **(b1)** $8,557; from Bentley Bros., 3030 Euclid Ave., **(a2)** $9,344 **(b2)** $11,261; from Roehl Bros., 7002 Denison Ave., **(a3)** $12,732 **(b3)** $14,775 **(a6)** $12,037 **(b6)** $14,396 **(a8)** $12,048 **(b8)** $14,480; from Baldwin Bros., 4500 Euclid Ave., **(a4)** $68,111 **(b4)** $75,019 **(c4)** $96,861; from River Constr. Co., 2402 Mapleside Rd., **(a5)** $36,729 **(b5)** $40,718 **(a15)** $61,745 **(b15)** $64,193; from Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, **(a9)** $52,567 **(b9)** $55,659 **(b10)** $7,261 **(a12)** $32,800 **(a13)** $10,625 **(b13)** $12,279 **(a14)** $29,929; from H. G. Herring, c/o Pavers Exchange, **(a11)** $20,662 **(b11)** $24,538; from Fischer & Williams, Lorain Rd., **(b12)** $36,906.

Illinois—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete paving 6.23 mi. Route 8, Sects. 43 and 46, Knox Co., from M. Hayes & Sons, 209 South La Salle St., Chicago, $118,000, 3.9 mi. Route 8, Sect. 44-A, Knox Co., from R. E. Myers, 1600 Oakland Ave., Milwaukee, Wis., $55,980; surfacing 0.29 mi. Starved Rock Park, Sect. P-4, La Salle Co., from H. A. Reischke Constr. Co., Geneseo, $10,524, 8.6 mi. Route 23, Sect. 3, La Salle Co., from Trompeter & Sons, Peru, $165,084. Noted Dec. 4 and Apr. 2.

Michigan — State Hy. Dept. at office Comrs. Shiawassee Co., Corunna, concrete paving State Trunk Line Rd. 47-11 C and 47-11 B, from J. C. Stewart, Owosso, $33,032 and $52,520 respectively.

Mich., Albion—Improving various streets 7,500 cu.yd. concrete paving 25,000 lin.ft. curbing and guttering, 24,000 lin.ft. sidewalks, etc. from Vanderveen & Edwards, Grand Rapids, $40,000.

Ia., Boone — Boone Co., grading, gravel surfacing, etc. 20 mi. various roads, from M. Munson, Boone, at $0.275 for 1st mi. and $0.07 each additional ½ mi.

Calif., Los Angeles—City, **(e. e. means engrs. est.)**, grading and paving alleys west of Garrell Ave. et al., from California Paving Co., Los Angeles, $2,963 e. e. $2,921, 4,000 ft. Melrose Ave., from Tryon & Brain, 201 Tajo Bldg., $77,040 e. e. $88,079; curbing, guttering and paving Swall and Sherman Aves., from Spencer & Holt, 419 Court St., $31,601 e. e. $35,969; grading, sidewalks, curbing, paving, etc., Beverly Blvd., from C. O. Sparks, 2309 East 9th St., $1,679 e. e. $1,526; oil macadam surfacing, etc., 32,317 sq.ft. London St. on LaFayette Park Pl. Impvt. Dist., from F. E. Law, 750 Figueroa St., $6,491 e. e. $7,821; improving Vermont Ave., 8,355 sq.ft. sheet asphalt and 361,869 sq.ft. bituminous asphaltic concrete paving, etc., from J. Mullarkey, 8425 South Vermont Ave., $112,427 e. e. $131,473, 41st Dr. and Wesley Ave. Impvt. Dist., 975 sq.ft. sheet asphalt and 45,322 sq.yd. bituminous asphaltic concrete paving, etc., from Los Angeles Paving Co., 2900 Santa Fe St., $15,655 e. e. $17,183. H. A. Van Norman, City Hall, engr.

Calif., Marysville — Curbing, guttering, 1¾ in. Warrenite bithulithic on 2½ in. asphaltic concrete surfacing 290,000 sq.ft. C, 9th, 13th Sts., etc. from Warren Constr. Co., 28th and Poplar Sts., approximately $75,085.

Calif., San Bruno—From Federal Paving Co., Standard Oil Bldg., San Francisco, improving Linden, Polar, Elm, Acacia Aves., etc., 305,000 sq.ft. 1½ in. Willite on 3 in. Willite asphaltic concrete surfacing $0.299 per sq.ft., 28,000 cu.yd. grading $1.99, 135,000 sq.ft. concrete walks, $0.25, etc., total $228,495. Noted May 21.

Okla., Okemah—June 12, by J. S. Price, city clk., grading, curbing and concrete surfacing 12,300 sq.yd. South 4th and North 3rd Sts. $40,700. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted May 7.

CONTRACTS AWARDED

Maine—State Hy. Comn., Augusta, gravel surfacing 3.32 mi. highway, Federal Aid Project 64, in New Sharon, to Wyman & Simpson, Waterville, $51,919. Noted May 14.

Maine—State Hy. Comn., Augusta, bituminous macadam paving 2.03 mi. highway in Houlton, and gravel surfacing 5.26 mi. highway in Livermore, to Boone & Brewer Constr. Co., Presque Isle, $60,797 and $88,729 respecaively; bituminous macadam paving 4.3 mi. highway in Gray, to A. D. Bridges & Sons, Inc., Hazardville, Conn., $90,947. Grand total $240,473. Noted May 14.

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam paving 5,242 ft., highway in Hingham and Cohassett, to West Roxbury Trap Co., West Roxbury, $76,[illegible] and 7,444 ft. highway in Southampton and Easthampton, to W. C. Tannett, Jr., of East Union St., Easthampton, $57,787; concrete paving 14,953 ft. highway in Auburn and Oxford, to T. G. Jewett Jr., 35 [illegible] St., New Bedford, $150,427. Grand total $284,989. Noted May 21.

Massachusetts — Dept. Pub. Wks., State House, Boston, concrete paving 17,181 ft. highway in Plainville and Wrentham, to B. Perini & Sons, Ashland $187,665, and 3,626 ft. highway in Grafton, to C. A. Haggerty, Webster, $28,302; bituminous macadam paving 989 ft. highway in Randolf, to Peckman Road Corp., Farmington, N. H., $8,541; bridge and approaches on 270 ft. highway in Leicester, to A. E. Allen, Amherst, $8,876. Grand total $233,384.

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, to M. J. O'Hara, 1228 Park Ave., New York City, asphalt paving and repaving Dean St., $10,889, Maple St. $6,670, Ave. O $5,347, Westminster Ave. $7,664, 13th Ave. $3,235, 9th St. $41,949, 57th St. $4,724, 61st St. $15,785, Ave. N $3,740, to Uvalde Asphalt Paving Co., 1 Bway., New York City, Belmont Ave., $6,813, Bristol Ave. $6,332, Lott Ave. $2,732, Williams Ave. $12,770, to Borough Asphalt Co., 1301 Metropolitan Ave., Carroll St. $3,203, St. Nicholas Ave. $3,853; to Grimm Contg. Co., 170 McKinley St., sidewalks on Leonard Ave. $1,729; to Cranford Co., 52 9th St., resurfacing McDonough St. $86,925; to W. J. McHale Contg. Co., 1250 Jefferson St., grading, curbing, flagging, etc., 19th Ave. from 71st to 72nd Sts. $1,227, 19th Ave. from 76th to 78th Sts. $1,259; to F. Persicano, 350 Fulton St., grading, sidewalks, etc., on 73rd St. $1,134. Noted May 28.

N. Y., Brooklyn—Park Bd., Dept. Parks, 64th St. and 5th Ave., New York City, improving Highland Park Dr., to Galco Contg. Co., 745 Dean St., $45,555. Noted May 28.

N. J., Jersey City—Hudson Co., concrete and granite block paving Tonnele and Manhattan Aves., to M. H. Dunn, 152 Belmont Ave., $116,088. This corrects report in May 21 issue.

N. J., Linden—Union Co. (Elizabeth) concrete paving Raritan Rd., here, to T. F. Burke, Park Ave., Plainfield, $106,109. Noted May 21.

Pennsylvania — State Highway Dept., Harrisburg, **(R. means Route)**, to Colgan & Kelly, State College, improving R. 28, Mifflin Co., 11,885 sq.yd. rein.-con. $3.05 per sq.yd. 2,515 cu.yd. unclassified excav. $150, total $50,046; to Metzger-Kirkpatrick & Wallace, Emporium, R. 100, Clinton Co., 13,158 sq.yd. rein.-con. $3.42, 5,092 cu.yd. unclassified excav. $3.20, total $113,840; to Miller Constr. Co., Punxsutawney, grading, etc., R. 105, Sect. 3, Cameron Co., 159,790 cu.yd. unclassified excav. $0.80, 21,930 cu.yd. borrow $0.70, total $192,961. Grand total $350,847. Noted May 7.

Pa., Pittsburgh—Repaving Climax St., to Booth & Flinn Ltd., Forbes St., Pittsburgh, $51,113. Engrs. est. $47,000. Noted Nov. 13.

W. Va., Parkersburg — Paving West Virginia Ave., to Kennedy Constr. Co., Parkersburg, $25,000.

Florida—State Roads Dept., Tallahassee, to H. E. Wolfe, Elkton, paving with 6 in. Florida Lime rock base on prepared subgrade Project 629, Rd. 8, Highlands Co. $58,471, 9 in. of above paving Project 647, Rd. 8 $83,450; to L. M. Gray, Oak Hill, 8 in. above paving Project 628, Rd. 3, Bolusi Co. $138,270, to Whitney Constr. Co., Project 607-B, Rd. 13, Clay Co., $81,091; to J. R. and J. B. Miller, Baconton, Ga., clearing, grubbing and grading, etc. Project 618, Rd. 5, Alachua Co. $44,694, to Taylor & Cox, Birmingham, Ala., Project 617, Rd. 5, Alachua Co. $21,506, Project 633, Rd. 1, Gadsden Co. $55,525, Project 639, Rd. 1, Gadsden Co., $34,531; to Southern Paving Co., Chattanooga, Tenn., clearing, grubbing, grading and sheet asphalt paving, etc. Project 661, Rd. 2-A, Lake Co., $150,314; to S. G. Collins, Milton, 20,000 cu.yd. earth embankment on Project 638, Rd. 1, Santa Rosa Co., $14,700. Grand total $682,552.

Alabama—State Hy. Comn., Montgomery, **(e. e. means engineers estimate)** sand clay surfacing 7.3 mi. Ozark-Troy Rd., 18 ft., Dale Co., to J. E. Newberry, Dothan, $42,268, e. e. $42,500; chirt surfacing 12.22 mi. Ft. Payne-Valley Head Rd., De Kalb Co., and gravel and top soil surfacing 17.78 mi. Wetumpka-Coosa Co. line Rd., Elmore Co., to A. H. Singer, Montgomery, $105,893 and $152,346 respectively e. e. $106,000 and $152,500 respectively; gravel surfacing 11.12 mi. Athens Rd., Limestone Co., to Newell Contg. Co., 3828 Ave. A, Birmingham, $86,567 e. e. $86,600, 11.64

Streets and Roads (Continued)

mi. Cobbs Bridge-Paint Rock Rd., Madison Co., to W. T. Taylor, Wilsonville, $128,049, e. e. $128,500; bituminous surfacing 17.8 mi. Talladega-Oxford Rd., Talladega Co., to Columbia Asphalt Constr. Co., Columbia, $39,245, e. e. $39,500. Grand total $555,368. Noted Apr. 9.

Miss., Aberdeen — R. C. Maynard, city clk., grading, curbing, 2 in. Warrenite on concrete paving, etc., 40,000 sq.yd. Commerce, Franklin, Meridian and Maple Sts., to Southern Roads Co., Amer. Trade Bldg., Birmingham, Ala., $1.42 per sq.yd. Noted May 7.

Miss., Winona — Improving 4 mi. City Alley, Union, Church, Carrolton, College, Jones, Webster and Magnolia Sts., to G. W. Turner & Co., 280 Ayers St., Memphis, Tenn., concrete paving at $1.60 per sq.yd., curbing and guttering at $0.26 per ft. and excavation at $0.50 per yd. Noted Apr. 30.

Kentucky—State Hy. Dept., Frankfort, surfacing 2.689 mi. Federal Aid Project 51-B, Henderson Co., to Corum Bros., Madisonville, $18,185; grading, etc. 2.121 mi. Federal Aid Project 120-A, to Hunt-Forbes Constr. Co., Ashland $42,514, and 3.816 mi. Federal Aid Project 120-B, Morgan Co., to Smith & Combs Constr. Co., Levi, $70,672. Grand total $131,371. Noted May 7.

O., Akron—W. F. Peters, dir. Pub. Serv., **(e. e. means engrs. est.)** bridge repairs, constructing retaining wall and concrete paving 670 cu.yd. Stuber St., to A. F. Wible, 789 Chalker St., $15,525, e. e. $20,-600; grading, laying walks and cindering, etc. 300 cu.yd. 6th Ave., to Shullo Constr. Co., 990 Chalker St., $5,260, e. e. $6,300; grading, curbing, laying sidewalks and vitr. brick paving 2,160 sq.yd. Clearview Ave., to McAlonan Bros., 506 Woodland Ave., $17,343, e. e. $18,000. 4,000 sq.yd. Moon St., to Hollinger & Davidson, 435 South Bway., $29,123, e. e. $32,000. Grand total $67,251. Noted Apr. 30.

O., Canton—Stark Co., May 15, **(e. e. means engrs. est.)**, concrete paving Elton-Navarre Rd., and North Canton-Canal Fulton Rd., to E. Vogt Paving Co., Genl. Del., Massillon, $89,498 and $77,129 respectively, e. e. $95,000 and $75,000 respectively, Swamp Rd., Urban Bros., Massillon, $58,-756, e. e. $60,000; monolithic brick paving Hills and Dales Rd., and Canton-Canal Fulton Rd., to General Asphalt Paving Co., Witters Bldg., Canton, $130,372, and $87,-444 respectively, e. e. $140,000 and $85,000 respectively. Grand total $443,199. Noted Apr. 30.

O., Cleveland Heights (Warrensville P. O.)—Asphaltic concrete paving Antisdale, Revere and Superior Rds., to Spence Bros., Woodhill Rd., Cleveland, $57,949; curbing, guttering and asphaltic concrete paving Clarence, Glenwood, Medford, Noble Shire and Randolph Rds., to Baldwin Bros., 4500 Euclid Ave., Cleveland, $72,591, and Ardmore Dist., Allston, Ardoon, Monte Vista, Quilliams and Vineshire Rd., to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $188,189. Grand total $318,729. Noted May 28.

O., Columbus — Franklin Co., to B. F. Patterson, 1214 Neil Ave., sheet asphalt paving, etc. 680 ft. Polo Place Rd. $8,619, 2,358 ft. Elbern Ave. Rd. $3,119, 594 ft. Medway Ave. Rd. $7,850, and 892 ft. Broadmoor Ave. $11,582, all 26 ft. Grand total $31,170. Noted May 14.

O., Marion — Marion Co., concrete and macadam paving 6.75 mi. Marion-Cardington Rd., to L. D. Brady, Marion, $40,775. Engrs. est. $53,552.

O., Youngstown—Mahoning Co., improving Turner School-Ohltown Rd., to R. O'Rouck, Youngstown, $29,999. Crum Rd. and Shields-Titusville Rd., to Gray Bros., 817 Salt Springs Rd., $28,463 and $33,182 respectively; Lake Rd., to Dennison-Sturgis, Youngstown, $27,186; East Rover Rd., to Reedy Bros., Warren, $50,233; Center St., to J. McCaron & Son, Youngstown, $25,704. Grand total $194,567.

Mich., Jackson—Jackson Co., graveling 4.8 mi. Nowell-Wampus Lake Rd., to Hudson & Coons, East Lansing, $29,000.

Ill., Atwood—Grading, curbing and concrete paving various streets, to B. F. Walters, Peoria, $39,330.

Ill., Salem—Grading, curbing and hard surfacing, etc., various streets, to J. W. Jones, Benton, $98,267. Noted Feb. 5.

Wisconsin—C. R. Weymouth, div. engr., Stephenson Bldg., Milwaukee, to J. O. Legreid, Stoughton, improving 3.8 mi. Kilbourn Rd., Federal Aid Project 361-B, Racine Co., 23,313 cu.yd. earth excav. at $0.59 per cu.yd., 100 cu.yd. loose rock excav. $1.50, 100 cu.yd. solid rock excav. $3, 46,186 sq.yd. concrete paving, etc. $1.11, total $75,324, improving 2.2 mi. Fond du Lac Ripon Rd., Federal Aid Project 365-B, Fond du Lac Co., 11,295 cu.yd. earth excav. $0.60 per cu.yd., 100 cu.yd. loose rock excav. $1.50, and 100 cu.yd. solid rock excav. $3, 27,881 sq.yd. concrete paving $1.14, total $42,895. Noted May 14.

Wisconsin—C. R. Weymouth, div. engr. at Office 444 Milwaukee St., Milwaukee, to F. Doherty Co., 37th and Fond du Lac Aves., Milwaukee, improving 5.01 mi. Richfield-Ackerville Rd., Federal Aid Project 389-A, Washington Co., 46,905 cu.yd. earth excav. at $0.55 per cu.yd., 250 cu.yd. loose rock excav. $2, 100 cu.yd. solid rock excav. $4, 58,718 sq.yd. concrete surfacing $0.95, etc., total $102,175. Noted May 21.

Wis., Milwaukee—W. J. Cary, clk. Milwaukee Co., to Tex Constr. Co., 446 8th Ave., paving with **(a)** concrete **(b)** vibrolithic concrete, Lovers Lane Rd. **(a)** $26,-774 **(b)** $28,319, 77th Ave. **(a)** $20,934 **(b)** $22,784; to Monad Constr. Co., 203 North Main St., Wauwatosa Ave. 2 **(a)** $68,128, Wauwatosa Ave. 4 **(a)** $50,369; to Milwaukee General Constr. Co., 427 Mitchell St., 8th Ave. 4, $50,264. Noted May 21.

Wis., Green Bay—H. J. Cormier, highway comr. Brown Co., grading and concrete paving, etc., 18,512 sq.yd. West Holland Rd., to H. O. Schaefer & Son, 1149 East Mason St., $30,929; and gravel or stone surfacing 5,000 lin.ft. Oneida-Freedom Rd., to H. McAbee, R. F. D. 1, Depere, $3,919. Noted May 7.

Wis., Green Bay—W. L. Kerr, city clk., City Hall, asphalt paving, etc., approximately 40,300 sq.yd. various streets, to F. P. Coughlin Co., 130 North Wells St., Chicago, Ill., at $2.50 per sq.yd. Noted May 21.

Wis., Rhinelander — City, for asphalt paving various streets, to Bridge Paving & Constr. Co., Wabash, Ind., $70,899. Noted

Wis., Wausau—J. L. Brown, city clk., vibrolithic concrete paving, etc., 12,820 sq. yd. 6th and Division Sts., to C. Lotz, 1016 Grand Ave., $2.04 per sq.yd. Noted May 28.

Ia., Ackley—City clerk, concrete paving about 38,000 sq.yd. various streets, to J. S. McLaughlin & Sons, Red Oak, $101,166. Noted Apr. 30.

Ia., Algona—Kossuth Co., grading 144,-000 cu.yd. various roads, to McGuire Bros., Algona, $43,000, and 41,000 cu.yd. various streets, to R. C. Hort, Spencer, $13,000.

Ia., Des Moines—City Clerk, to Union Constr. Co., 200 New York Ave., concrete surfacing 3,308 sq.yd. Arthur St., at $2.14 per sq.yd., to S. A. Bakalyer, 3610 5th Ave., 720 sq.yd. alleys between East Grand and Des Moines Sts. and East 5th St. and Chicago & Northwestern Railway tracks, at $2.33, curbing 2,607 ft. 4th St., $0.474, 2,607 ft. 3rd St. at $0.474, 10,659 ft. East University St., $0.457, 1,412 ft. 59th St. $0.59; to Potts Bros., 1602 York St., curbing 2,607 ft. 5th St. $0.455; to Wright Constr. Co., 211 Flynn Bldg., brick surfacing 1,430 sq.yd. Center St. at $3.16 per sq. yd., vibrolithic concrete surfacing 1,589 sq. yd. Pleasant St. $2.20, concrete surfacing 248 sq.yd. 11th St. $2.35, 7,216 sq.yd. Bell Ave. $2.13. Noted Apr. 30.

Ia., Essex—F. C. Peterson, city clk., concrete paving approximately 22,000 sq.yd. various streets, to P. Nelson & Son, Council Bluffs, $53,765. Noted May 7.

Ia., Jefferson—Greene Co., gravel surfacing 3.5 mi. road south of Ripley, 3 mi. west of Paton, and 2 mi. township roads, to Dolson & Anderson, Geneva, 7,750 cu.yd. at $0.34 and 7,750 cu.yd. at $0.79 per cu. yd.; $3,959 cu.yd. grading, to Pheland-Shirley Co., 306 South 24th St., Omaha, Neb., $0.227 per cu.yd. Noted Apr. 30.

Ia., Montezuma—Poweshiek Co., gravel surfacing 13.2847 mi. Road 59-A, No. 416, to Tama Sand & Gravel Co., Tama, $28,191, gravel surfacing same road Sect. B, to Northwestern Gravel Co., 400 R. U. L., Des Moines, $10,295, hauling, to Heldt & Boyles, Everly, $4,129.

Ia., Sioux City—For 6 in. concrete paving 125,500 sq.yd. South Cornelia and Fairmount Sts., to Western Asphalt Paving Corp., 1st and Nebraska Sts., at $1.86 per sq.yd. Noted Apr. 2.

Ia., State Center—Grading, curbing and concrete surfacing 8,800 sq.yd. various streets, to Anderson & Emple, Marshalltown. Noted Feb. 19.

Ia., Webster City—Hamilton Co., gravel surfacing, etc., 30 mi. Maintenance Project 12, Primary Projects 217 and 218 etc., to W. H. McDaniel, Ft. Dodge, $19,019, Kayser Gravel Co., Pocahontas, $10,361, and C. L. Carlson, Stratford, $960. Grand total $30,340.

Neb., Pender—M. Smith, city clk., City Hall, grading, curbing, guttering and Willite paving 21,000 sq.yd. Dist. 1, to A. A. Dobson, 1st Natl. Bank Bldg., Lincoln, $65,-987. Engrs. est. $66,000. Noted May 14.

Neb., Wilbur — W. W. Sopec, city clk., brick and sheet asphalt paving 30,000 sq. yd. streets in Dist. 1, to Abel Constr. Co., 318 Terminal Bldg., Lincoln, $2.80 per sq. yd. Engrs. est. $150,000.

Minn., Hastings — R. W. Downs, aud. Dakota Co., curbing, concrete paving, etc. 22,161 sq.yd. State Aid Rd. 7, Job 2507, to O. W. Swanson & Co., Plymouth Bldg., Minneapolis, $55,643. Noted May 14.

Minn., St. Cloud — Bitulithic concrete paving about 56,391 sq.yd. various streets, to Lawrence & McCann, Eveleth, $162,970. This corrects report in May 28 issue.

Minn., Wheaton — G. I. Kristenson, village recdr., concrete curbing, guttering and asphaltic concrete paving, etc., 17,500 sq. yd. Main St., to Welsh Paving Corp., 703 1st Natl.-Soo Line Bldg., Minneapolis, $55,-551. Noted May 14.

North Dakota—State Hy. Dept. and Bd. Comrs. Logan and McIntosh Counties, at Court House, Ashley, grading, etc., 27.446 mi. road between Wishek-Fredonia, Federal Aid Project 254, 210,613 cu.yd. earth and 6,315 cu.yd. rock excav., 9,667 cu.yd. overhaul, etc., to H. Webster & Son, Turtle Lake, $78,767. Noted Apr. 23.

North Dakota—State Hy. Comn. and Bd. Comrs. Cass Co., Fargo, improving **(1)** 12.33 mi. Federal Aid Project 253, 72,678 cu.yd. earth excav., etc., **(2)** Federal Aid Project 268A, 127,258 cu.yd. earth and 900 cu.yd. rock excav., to W. H. Noel, Jamestown, grading **(1)** $29,983 **(2)** $44,056, graveling **(2)** $50,-280; to J. A. Jardine, 1325 Front St., Fargo, N. D., concrete work on **(1)** $7,920 **(2)** $18,809. Grand total $151,048. Noted Apr. 23.

North Dakota — State Hy. Comn., and Wells Co., Court House, Fessenden, grading, etc. 28.883 mi. Federal Aid Project 264, 139,862 cu.yd. earth and 725 cu.yd. rock excav., etc., to Padgett & Wallace, Leeds, $65,000. Noted Apr. 23.

North Dakota—State Hy. Comn. and Bd. Comrs. Dunn Co., Court House, Manning, grading 4.294 mi. Federal Aid Project 266A, to Moyer & Kennedy, Bismarck, $14,-333; concrete bridges on same, to W. W. Moyer, Bismarck, $10,787. Noted Apr. 23.

Missouri—State Hy. Dept., Jefferson City, to C. T. Fogle Constr. Co., Jefferson City, 26 ft. grading 2.466 mi. road from Forsyth north, Taney Co., $34,305; to Griffin & Harlan, Gainesville, 30 ft. grading 3.618 mi. road from Mt. View, east and west, Howell Co., $21,587, 3.954 mi. road from Ava west, Douglas Co. $27,119, to R. P. Harper Constr. Co., Leona, Kan., 0.317 mi. Weambleau-Wheatland Rd., Hickory Co. $3,148, 0.53 mi. road from Nevada north $15,695, 4.665 mi. Horton-Nevada Rd., both in Vernon Co. $30,150, to Beard & Crews, Warrenton, 0.238 mi., Versailles-Gravois Mills Rd., Morgan Co. $2,250, to J. G. Nevels & Mosoner, Willow Springs, 4.923 mi. Mt. View-Birch Tree Rd., Shannon Co. $30,944, to J. P. Harlin, West Plains, 4.28 mi. road from West Plains west, Howell Co., $29,576; to Quinlan & Kerns Constr. Co., Kansas City, grading and 18 ft. concrete paving 4.358 mi. Clinton-Deepwater Rd., Henry Co., $55,006; to F. Kersting Co., Jefferson City, 12 ft. gravel surfacing 2.765 mi. Versailles-Gravois Mills Rd., Morgan Co., $22,640; to Humphreys & Stebbens, Fredericktown, 3.939 mi. road from Fredericktown west, Madison Co. $48,-045, to Wilson Constr. Co., Warrensburg, 4.41 mi. Annapolis-Des Arc Rd., Iron Co., $55,606; to J. C. Cox, Springfield, 16 ft. gravel surfacing 2.311 mi, road from Monett west, Barry Co., $17,258 and $19,-717 respectively, and 2.765 mi., to J. S. Chaney, Branson, 8.068 mi. Licking-Houston Rd., Texas Co., $68,953; to Summerfield Jones Co., Billings, 20 ft. gravel surfacing 8.53 mi. road from Willow Springs north, Howell Co., $22,808; to C. I. Williams, Monett, 18 ft. chat surfacing 2.379 mi. Nevada-Deerfield Rd., Vernon Co., $24,-486, to Nevada Constr. Co., Nevada, 2.94 mi. Nevada-Ft. Scott Rd., Vernon Co., $34,-199. Grand total $591,081. Noted May 7.

Mo., Sedalia—City Clerk, grading, curbing and 1, 2, 3 mix concrete paving 8,000 sq.yd. Grand Ave., to F. T. Leaming, Springfield. Noted May 14.

Ark., North Little Rock—City, removing present wood block surfacing and 1½ in. Warrenite on 1, 3 and 5 in. concrete surfacing 8 blocks various streets in North Little Rock and Galloway Dists., to M. D. L. Cook, 6th floor Home Life Bldg., Little Rock, $32,682.

Tex., Breckenridge—Grading and paving various streets, to General Constr. Co., 402 Cotton Exch. Bldg., Ft. Worth, approximately $100,000. Noted May 7.

Tex., Denton — Denton Co., improving Texas and Bell Aves., to W. M. Jagoe Constr. Co., Denton, 10,000 sq.yd. asphaltic concrete paving at $2.20 per sq.yd., curbing and guttering at $0.70, and headers at $0.60, total $26,103. Engrs. est. $27,500.

Tex., San Antonio—Paving East Quincy St. from San Pedro to Erie Aves., to Uvalde Rock Asphalt Co., City Natl. Bank Bldg., approximately $26,000.

Tex., Somerset — Improving various streets, rock asphalt surfacing 67,500 sq. yd., to Wilmore Constr. Co., Wilmore, $172,-794; one course concrete surfacing 7,500 sq.yd. and two course concrete sidewalks,

Streets and Roads (Continued)

etc., 47,000 sq.ft., to R. L. Peters, Holston Bank Bldg., Knoxville, Tenn., $21,833 and $36,120 respectively. Grand total $230,747.

Oklahoma — State Hy. Dept., Oklahoma City. **(F. A. P. means Federal Aid Project, S. A. P. State Aid Project and e. e. engineer's estimate)**, grading and concrete surfacing 3.726 mi. Oilton Rd., 18 ft., F. A. P. 109-F, Creek Co., to Ward-Brooks Co., Tonkawa, $111,925, e. e. $125,000; concrete surfacing 2 mi. Ardmore Rd., F. A. P. 89-B, 18 ft., Carter Co., to Gibson-Mitchell Co., Pauls Valley, $43,718, e. e. $50,000; vertical fibre brick surfacing 4.94 mi. F. A. P. 130-B, 18 ft., Oklahoma Co., to Green-Beekman Co., 519 West Main St., Oklahoma City, $185,186 e. e. $200,000; grading, etc. 9.85 mi. Lenapah-Kansas State Line Rd., 30 ft., F. A. P. 193-A and B, Nowata Co., to M. E. Gillioz, Monett, Mo., $27,554 e. e. $35,000, 2 mi. S. A. P. 32-A, 30 ft., Payne Co., to T. Collins, Cushing, $29,163 e. e. $30,000, 9.29 mi. S. A. P. 50-A and B, Pittsburg Co., to B. F. Flynn, Newkirk, $33,210 e. e. $42,000, 6.71 mi. S. A. P. 49-A, 30 ft., Mayes Co., to A. A. Davis & Co., Grain Exch. Bldg., Oklahoma City, $32,120, e. e. $40,000. Grand total $462,876. Noted May 7.

Okla., Ardmore — Grading, curbing and vertical fibre brick surfacing 5,110 sq.yd. South Washington St., to Cook & Cove, Ottawa, Kan., $25,520. Engrs. est. $28,250.

Okla., Cordell — Grading and concrete paving 20 blocks various streets, to Connelly Bros., Cordell, $90,000.

Okla., Cordell—Grading, curbing and concrete surfacing 35,360 sq.yd. Court Square, Grant, College and Valentine Sts., to R. H. Baldwin, 109 East Grand Ave., Ponca City, $107,556. Engrs. est. $120,000.

Okla., Tulsa—City **(e. e. means engineer's estimate)**, to H. L. Cannady & Co., 1104 South Lewis St., grading and sheet asphalt surfacing 4,774 sq.yd. in Dists. 625 and 626, $23,641 e. e. $25,~~500~~ 8454 sq.yd. Dist. 632, $37,726 e. e. $39,000, 11,679 sq.yd. Dist. 637, $41,890 e. e. $43,000; to Standard Paving Co., 1740 East 6th St., 4,744 sq.yd. Dists. 627 and 630, $25,616 e. e. $26,000, 6,548 sq.yd. Dists. 635 and 639, $28,600 e. e. $30,000, 6,762 sq.yd. Dists. 640 and 641, $32,482 e. e. $34,600; to C. M. Brown, Nebraska Bldg., concrete surfacing 11,529 sq. yd. Dist. 638, $51,529 e. e. $53,900. Grand total $241,484.

Colorado — State Hy. Comn., Denver, **(e. e. means engrs. est.)** paving 1.02 mi. Federal Aid 290-A, Bent Co., to Salle Constr. Co., Pueblo, $34,561; grading, paving and bridging Federal Aid Project 288-B, Logan Co., to Engineers Constr. Co., Greeley, $70,413, e. e. $90,746; graveling 3.181 mi. Federal Aid 266-B, La Plata Co., to E. L. and J. L. Morrison, Colorado Springs, $17,272, e. e. $25,000; grading, etc. 18.725 mi. road between Bush and point south of Beta, Logan, Washington and Morgan Counties, to Scott & Curlee, Sterling, $102,627, e. e. $104,400. Grand total $224,873. Noted May 7.

Colo., Denver—City, **(e. e. means engrs. est.)**, to Western Paving Constr. Co., 5230 Washington St., asphalt paving 12 blocks East Denver Paving Dist. 16, $47,184 e. e. $54,110, 12 blocks Dist. 18, $39,422 e. e. $45,034, 12 blocks Dist. 10, $45,627; to New Mexico Constr. Co., 4015 Galapoga St., 12 blocks Dist. 17, $41,279 e. e. $47,796. Grand total $173,512.

Colo., Denver—Dept. Impvts. & Parks, **(e. e. means engrs. est.)**, to Allied Contractors, Inc., Majestic Bldg., asphalt paving 12 blocks West Denver Paving Dist. 8, $34,852 e. e. $40,042, 12 blocks Dist. 7, $32,041 e. e. $36,866, and 12 blocks Dist. 6, $39,943 e. e. $45,941. Grand total $106,836.

Colo., Denver—Dept. Impts. & Parks. **(e. e. means engrs. est.)** Asphalt paving 12 blocks South Denver Paving Dist. 5, and 12 blocks Washington Park Paving Dist. 4, to Levy Constr. Co., Symes Bldg., $33,925 and $39,450 respectively, e. e. $37,646 and $43,071 respectively; 12 blocks Park Hill Paving Dist. 1, to Western Paving & Constr. Co., 5230 Washington St., $38,484, e. e. $43,585; 12 blocks North Denver Paving Dist. 7, to New Mexico Constr. Co., 4015 Galapago St., $30,322, e. e. $37,866. Grand total $142,181.

Idaho—State Comn. Pub. Wks., at Court House, Paris, to Gleim & Shafer, pocatello, improving 5.54 mi. Old Oregon Trail and 1.88 mi. Bear Lake Highway, Bear Lake Co., 46,414 cu.yd. excav. at $0.26 per cu.yd., 2,200 cu.yd. stripping pits $0.20, 14,337 cu.yd. gravel surfacing $1.48, 784 cu.yd. surfacing binder $0.70, total $43,431. Noted Apr. 30.

Idaho, Wallace — Comrs. Shoshone Co., grading, bituminous concrete paving, etc., 10.375 mi. Coeur d'Alene Yellowstone Trail, Federal Aid Project 73-A and 64-B, to C. H. Helmer, Twin Falls, $195,750. Noted May 7.

Washington—State Hy. Dept., Olympia, to Holmberg & Norman, Port Orchard, constructing 10 mi. State Rd. 9, Olympic Highway, Grays Harbor Co., 2.81 acres clearing at $500 per acre, 60.31 acres grubbing $600, 132,960 cu.yd. earth excav. $0.60, 29,740 cu.yd. loose rock excav. $0.75, 3,300 cu.yd. solid rock excav. $1.50, 12,990 cu. yd. gravel surfacing $3, total $232,623. Noted Apr. 30.

Washington—State Hy. Dept., Olympia, grading State Rd. 10, Douglas Co., to Cole & Strong, Chelan, $17,818; grading and surfacing 0.43 mi. State Rd. 12, Pacific Co., to James & Brown, Rochester, $6,410; one course crushed gravel surfacing 4,500 cu. yd. State Rds. 2 and 3, Kittitas Co., to F. R. Hewett, 225 East 24th Ave., Spokane, $8,055 and $7,335 respectively; concrete T-beam bridge, 32,500 lbs. reinforcing bars, etc., over Waki Tiki Creek, on State Rd. 9, Mason Co., to A. R. Eichler, 2533 Alki Ave., Seattle, $10,061. Grand total $49,679.

Wash., Longview—City Clerk, curbing and concrete paving, etc., 124,861 sq.yd. L. I. D. 1, Residential Sect., to Olympic Constr. Co., 1326 Northlake Ave., Seattle, $364,468, engrs. est. $375,000; and 70,832 sq.yd. L. I. D. 2, Longview St., to J. C. Compton, McMinnville, Ore., $221,387, engrs. est. $235,000. Noted May 14.

Wash., Seattle—Bd. Pub. Wks., grading, curbing, concrete paving, etc., 13,780 sq.yd. Meridian Ave. et al., to Moceri Bros., Thompson Bldg., $36,361. Engrs. est. $41,750. Noted May 8.

Wash., Yakima—City Comn. one course concrete paving Bell St., South 14th, and 15th Aves., to Hardy & Richings, Yakima, $25,988. Engrs. est. $31,781. Noted May 21.

California — State Hy. Comn., Sacramento, grading and crushed stone or gravel surfacing 5.8 mi. highway between Camino and point 2 mi. east of Sportsman's Hall, El Dorado Co., to Irey & Holden, Lodi, $42,672, engrs. est. $53,219; widening and asphaltic concrete surfacing 8.2 mi. highway between Beardsley Canal and Lerdo, Kern Co., to Federal Paving Co., Standard Oil Bldg., San Francisco, $137,699, engrs. est. $157,696.

California—June 22, by State Hy Comn., Forum Bldg., Sacramento, grading and crushed gravel or stone with decomposed concrete surfacing 8.6 mi. highway between El Centro and Holtville, Imperila Co. R. M. Morton, Forum Bldg., Sacramento, highway engr.

Calif., Bakersfield—Improving Chester Lane, 154,948 sq.ft. 1½ in. Warrenite bitulithic on 3½ in. asphaltic concrete surfacing, 154,948 sq.ft. subgrading, etc., to Union Paving Co., Call Bldg., San Francisco, $40,919.

Calif., Lakeport—City Trustees, 6 in. vibrolithic concrete paving, etc., Main St., to Proctor & Cleghorn, Rosenberg Bldg., Santa Rosa, $116,230. Noted Apr. 9.

Calif., Los Angeles—Bd. Pub. Wks., grading and concrete paving alleys in block south of 17th St. and West of Grand Ave.; also grading, curbing, guttering, sidewalks and concrete paving Hidalgo Ave. between Electric and Earl Sts., etc., to C. W. Shafer, 3301 South Hill St., $3,149 and $79,641 respectively; curbing, sidewalks, concrete paving 428,570 sq.ft. Sycamore Ave., to Ingalls & Marks, 39th St. and Western Ave., Los Angeles, $105,709.

Calif., Los Angeles—Los Angeles Co., concrete paving, etc., 23,941 sq.yds. San Pedro St. between Manchester and 9th Sts., to Sorensen & McNeal, 1231 South Walbridge St., $55,968; 9,890 sq.yds. Ford St. between Eugene and Chicago Aves., to L. J. Turner, 205 East 1st St., $26,758.

Calif., San Diego — Common Council, improving Dwight and 32nd Sts., to Hazard Constr. Co., 302 5th St., $23,707.

Calif., San Diego—Curbing, guttering, sidewalks, asphaltic concrete paving, etc., 220,817 sq.ft. 20th St., to Griffith Co., 25 14th St., $34,802.

Calif., San Francisco — Grading, sewers, and retaining wall, etc. on Roosevelt Way between 14th and Clayton Sts., to Schultz Constr. Co., 46 Kearny St., San Francisco, $57,963. Noted Apr. 16.

Calif., San Rafael—Marin Co., grading and vibrolithic concrete paving various streets in Fairfax, Dist. 9, to Pacific States Constr. Co., Call Bldg., San Francisco, $42,860.

Calif., Santa Rosa—Sonoma Co., macadam paving road from Monte Rio to highway between Sebastopol and Freestone, to Associated Constr. Co., 564 Market St., San Francisco. $145,200.

Ont., Agincourt—Scarboro Twp., asphalt and concrete paving 18,000 sq.yd. Main St., to Standard Constr. Co., Mimico, $57,000. Engrs. est. $60,000.

Ont., London—E. S. Little, chn. London Suburban Rds. Comn., County Bldg., concrete paving Hyde Park Highway, to Cadwell Sand & Gravel Co., Windsor, $50,000. Noted May 14.

Ont., New Toronto—W. H. C. Millard, town clk., asphalt paving, etc., 4,500 sq. yd. 5th St., to Standard Constr. Co., Mimico. Engrs. est. $30,000. Noted Apr. 30.

Ont., Niagara Falls — Will pave with asphalt 10,000 sq.yd. Robinson St., by day labor. $34,000. T. S. Scott, city engr.

Ont., Oshawa—W. C. Smith, city engr., curbing, guttering and asphalt paving 8,000 sq.yd. various streets, to Standard Paving Co., Central Chambers, Ottawa. Engrs. est. $30,000. Noted May 7.

Ont., Riverside — Asphalt and concrete paving 18,000 sq.yd. Ottawa St. and Lauzon Rd., to Merlo, Merlo & Ray, Ford City, $37,485 and $15,418 respectively. Noted May 7.

Ont., Sutton—Concrete curbing, guttering and bitulithic paving 9,000 sq.yd. Main St. to Warren Bituminous Paving Co., 54 University Ave., Toronto. Engrs. est. $30,000.

Ont., Tecumseh—Sandwich East Twp., concrete paving 1¼ mi. Rorman, Riberdy, Turner and Remington Rds., to Laleute & Canuel, Tecumseh. Engrs. est. $58,000

Buildings—Industrial

PROPOSED WORK

Mass., Everett (Boston P. O.)—FACTORY—New England Tank & Tower Co having plans prepared 1 story, 50 x 215 ft., rein.-con. factory. To exceed $40,000. Private plans.

Mass., New Bedford—MILL—Gilt Edge Silk Mills, Kempton St., having plans prepared by Leary & Walker, 307 Times Bldg., 2 story, 55 x 150 ft., brick addition, Kempton St. $65,000.

Mass., Willimansett — MANUFACTURING—B. F. Perkins & Son, Inc., Holyoke, having plans prepared by Lockwood, Greene & Co., 24 Federal St., Boston, 1 story, 80 x 260 ft. machine shop with 40 ft. craneway, and 2 story, 80 x 150 ft. building.

N. Y., Brooklyn — FACTORY — E. A. Wildermouth, 1061 Atlantic Ave., having plans prepared by A. Goldberg, archt. and engr., 164 Montague St., 4 story, 65 x 100 ft., rein.-con., brick and steel, plain foundation, Atlantic Ave. $125,000.

N. Y., Flushing—PLANT—Knickerbocker Ice Co., 45 East 42nd St., New York City, plans 1 story, 120 x 150 ft., rein.-con., brick and steel addition, plain foundation, Collins Pl. $150,000. Private plans.

N. J., Trenton—PLANT—Panelyte Board Co., Enterprise Ave., plans new 1 and 2 story plant. $75,000-$100,000. Engineer and architect not selected.

Pa., Emans — MILL — Tremont Silk Co., c/o Jacoby & Everett, archts., Commonwealth Bldg., Allentown, having plans prepared, 1 story, 120 x 140 ft. mill with 40 x 50 boiler house, brick and timber, plain foundation, here.

Pa., Jeannette—SHOP—G. M. Johnson Mfg. Co., having preliminary plans prepared 2 story, 40 x 100 ft., brick and tile shop. $40,000. Private plans.

Pa., Lewistown—SHOP—Ballinger Co., archts., 12th and Chestnut Sts., Phila., soon lets contract 1 story, 111 x 148 ft., brick and steel machine and carpenter shop, plain foundation on Juniata River, here, for Viscose Co., Marcus Hook.

Pa., Pittsburgh — REPAIR SHOP and GARAGE — Manchester Auto & Machine Co., 1216 Liverpool St., having preliminary plans prepared 2 story, 154 x 180 ft., rein.-con., brick and steel repair shop and garage. $200,000. Private plans.

Md., Baltimore—PLANT—Pioneer Hardwood Flooring Co., Ashland Ave. and 8th St., plans rebuilding 1 and 2 story plant, recently destroyed by fire. $100,000. Engineer and architect not selected.

Tenn., Chattanooga—PLANT—Davenport Hosiery Mills, 906 Georgia Ave., having plans prepared 2 story (ultimately 4 story) 93 x 228 ft., rein.-con. plant, incl. 22 x 28 ft. boiler house, 11th St. Lockwood, Greene & Co., Healy Bldg., Atlanta, Ga., and 24 Federal St., Boston, Mass., engrs.

Ind., Anderson—FACTORY—Ames Shovel & Tool Co., North Anderson St., plans new building, North Anderson St. $60,000.

Ill., Centralia—FACTORY—T. P. Barnett Co., archts., 1559 Arcade, St. Louis, Mo., and City Natl. Bank, Centralia, take bids about June 10, 3 story, 45 x 200 ft. and 45 x 45 ft. shoe factory, rein.-con. and brick, for Chamber of Commerce, $85,000. Pennington-Gilbert Shoe Co., St. Louis, Mo., lessee. Noted Feb. 5.

Wis., Green Bay—PLANT—Wisconsin Pub. Serv. Corp., 559 Marshall St., Milwaukee, plans 2 story, steam power plant, brick and concrete, plain foundation. Engineer not selected.

Wis., Milwaukee—REPAIR SHOP—Dept. Pub. Wks. had plans prepared by C. E.

Buildings—Industrial (Continued)

Malig, City Hall, and soon takes bids Central Repair Plant, 1 story, 120 x 460 ft., brick and steel, plain foundation, 16th St. $150,000.

Wis., Stoughton — PLANT — Martin Luthers Orphan Home, N. A. Stubkjaer, supt., plans rein.-con., brick and steel heating plant. $40,000. Engineer and architect not selected.

Ia., Newton — FACTORY — Maytag Co., having preliminary plans prepared by H. Reeder, 20 West Jackson St., Chicago, Ill., 6 story and basement, 84 x 213 ft., rein.-con. and brick factory addition. S & R

Minn., St. Paul — FACTORY — Motor Power Equipment Co., 2512 University Ave., having plans prepared by C. H. Johnston, 715 Capital Bank Bldg., 1 story, 40,000 sq.ft. floor space, rein.-con. factory, near Ford plant. $100,000. Work will probably be done by day labor.

Minn., St. Paul—FACTORY—Schurmeier—Whitney Co., 419 North 5th St., Minneapolis, having plans prepared by Toltz, King & Day, Builders Exch. Bldg., 1 story, 100 x 130 ft., rein.-con. and brick, opposite Ford plant. $60,000.

Minn., Moorhead—PLANT—See "Waterworks."

Kan., Larned—POWER HOUSE—State Building Comn., Topeka, having plans prepared by C. D. Cuthbert, State House, Topeka, 1 story and basement, 55 x 108 ft. power house, here. $60,000.

Mo., Kansas City — BAKERY — Manor Baking Co., c/o R. A. Walker, 3628 Harrison St., having plans prepared by McKecknie & Trask, Bd. Trade Bldg., 3 story and basement, 71 x 222 ft., rein.-con., brick and terra cotta, plain foundation, High and Pennsylvania Sts. $175,000.

Ark., Pine Bluff — POWER PLANT — Arkansas Light & Power Co. having preliminary plans prepared 100,000 hp. hydroelectric power plant, incl. dam, etc., at Colbert Shoals. Ford, Bacon & Davis, 115 Bway., New York City, engrs.

Tex., Cuero—MILL—Belton Yarn Mills, P. M. Keller, genl. mgr., Belton, plans cotton mill rein.-con. and brick, here. $200,000.

Tex., Ft. Worth—BAKERY—Campbell Baking Co., c/o S. F. McDonald, pres., 30th St. and Troost Ave., Kansas City, Mo., plans rein.-con. and brick bakery. $200,000. Engineer and architect not seleoted.

Tex., Galveston—MILL—Galvez Mill Co., c/o A. A. Horne, W. Reed, and C. Stone, all of Galveston, plans cotton mill. $60,000. Engineer and architect not selected.

Tex., Galveston—WAREHOUSE—Compress & Warehouse Co., c/o J. D. Knox, genl. mgr., plans warehouse, 36th and 37th Sts., Avenues B and H. $250,000. Engineer and architect not selected.

Tex., Port Arthur — SHOPS — Kansas City Southern R.R. Co., Southern Bldg., Kansas City, Mo., having plans prepared new car and locomotive shops, power house, enlarging yards, dock improvements, etc., here. $1,250,000. A. N. Reece, ch. engr.

Tex., Temple — ICE PLANT — Local Investors, c/o Chamber of Commerce, plans ice plant, brick and concrete, 100 ton daily output. $150,000.

Okla., Frederick — POWER PLANT — City plans plant addition, and new equipment to electric light and power plant. $160,000.

Okla., Oklahoma City — PLANT — New State Ice Co., 2 West 3rd St., having preliminary plans prepared new 30 ton raw water ice plant. $60,000. C. Glitch, 1104 East 7th St., engr.

Calif., Hayward — CREAMERY — Eden Creamery, Atherton and C Sts., plans brick, concrete or hollow tile creamery. $45,000. Engineer and architect not selected.

Calif., San Diego — FACTORY — Amer. Can Products Co. had plans prepared by Moran Co., Kerckhoff Bldg., Los Angeles, 1 story, 80 x 100 ft., timber canning factory, San Diego St. $75,000.

Calif., San Francisco—FACTORY—John Lucas Paint Co., 368 12th St., Oakland, plans group fireproof buildings, here. $250,000. Engineer and architect not selected.

Calif., Van Nuys—FACTORY—Robert-Morton Organ Co., H. P. Platt, mgr., soon lets contract 1 story, 100 x 100 ft., brick and steel, Van Nuys St. $200,000. W. A. Schiller, Berkeley, archt.

BIDS DESIRED

N. Y., New York—GARAGE, etc.—June 8, by J. Miller, pres. Manhattan Boro, Municipal Bldg., garage addition at asphalt plant, also addition to stone dust storage building, 90th St. and East River.

Pa., Phila.—SERVICE STATION—June 5, by E. K. Taylor archt., 1416 Chestnut St., 1 and 2 story and basement, 50 x 88 ft. truck tire service station, brick, plain foundation, 3450 Ludlow St., for H. K. Schoff, c/o architect.

O., Cleveland — BOILER HOUSE and LAUNDRY—See "Buildings—Commercial."

Ind., Ft. Wayne — PLANT — News Sentinal Publishing Co., taking bids 3 story, brick, steel and concrete plant. $200,000. Meade & Hamilton, Bulkley Bldg., Cleveland, O., archts.

Ia., Sioux City — ROUNDHOUSE, SHOPS, etc.—Illinois Central R.R. Co., 135 East 11th Pl., Chicago, Ill., taking bids superstructures 1 and 2 story, concrete, brick and steel roundhouse, machine shop, locker, pump, oil storage, sand drying houses, etc., here; general contract for foundations of above, to Coomer & Small, 311 United Bank Bldg. Noted Feb. 19, under "Buildings—Commercial."

CONTRACTS AWARDED

Mass., Brighton (Boston P. O.)—PLANT—Electric Storage Battery Co., 720 Beacon St., Boston, 1 and 2 story, 235 x 274 ft. brick and stone plain foundation, Ashford St., to G. B. H. MacOmber Co., 44 Bromfield St., Boston. Archts. est. $100,000. Noted Apr. 2.

Mass., Norwood—SHOP—Bird & Sons, Inc., East Walpole, 1 story painting shop, brick and timber, to Central Eng. Co., 218 Main St., Pawtucket, R. I. Archts. est. $40,000.

Mass., Springfield — SUB-STATION — United Electric Light Co., 73 State St., 1 story and basement, 60 x 160 ft., rein.-con. and brick, Wilbraham Ave., to Morrissey-Stowell Co., 145 State St. Archts. est. $150,000. Noted May 14.

R. I., Providence — FACTORY — Morris Clothes Shop, 10 Richmond St., 1 and 2 story and basement factory, to H. Soren, Wird Ave. Archts. est. $50,000.

Conn., New Britain—FACTORY—Hart & Cooley Co., Inc., Corbin Ave., 1 story, brick and steel, Corbin Ave., to W. H. Allen Co., Inc., 16 Hungerford Court. Archts. est. $40,000. Private plans.

N. Y., Long Island City — FACTORY — G. A. Shacht Motor Truck Co., 8th and Evans Sts., Cincinnati, O., 2 story, 180 x 180 ft., rein.-con., brick and steel, plain foundation, here, to W. F. Kenny Co., 44 East 23rd St., New York City.

N. Y., Long Island City — PLANT — Standard Oil Co., 26 Bway., New York City, 2 story, 155 x 196 ft., rein.-con. and brick, plain foundation, here, to H. D. Best, 175 5th Ave., New York City. Archts. est. $50,000.

N. J., Camden—PLANT—MacAndrews & Forbes Co., 3rd and Jefferson Sts., 1 story, 50 x 100 ft., rein.-con. and brick, 3rd and Jefferson Sts., to Barclay-White Co., 1713 Sansom St., Phila., Pa.

Pa., Braddock—STATION—United Electric Light Co., Wilmerding, retained Day & Zimmerman, Inc., engrs., 1600 Walnut St., Phila., to design and construct new central station, on Monongahela River, here.

Pa., Newell—ROUND HOUSE—Pittsburgh & Lake Erie R.R. Co., South Smithfield St., Pittsburgh, 1 and 2 story round house addition, here, to J. H. De Carpentier & Sons, Youngstown, O. Archts. est. $150,000. Noted Apr. 30.

Pa., Phila. — DYE HOUSE — Franklin Process Co., Clearfield and Hope Sts., 3 story and basement, 85 x 110 ft., brick, plain foundation, to J. N. Gill Co., City Center Bldg. Archts. est. $50,000. Private plans.

Pa., Phila.—LAUNDRY—Holland Laundry Co., 17th and Cayuga Sts., 2 story and basement, 82 x 128 ft., rein.-con. and brick, plain foundation, to Farrell-Roth Co., 1624 Spruce St. Archts. est. $65,000.

Pa., St. Marys—PLANT—St. Marys Clay Products, general contract 1 story, brick and tile plant, to Hughes Foulkrod Co., Stevens Fostio Bldg., Pittsburgh. Noted Apr. 30.

Va., Richmond—FACTORY and WAREHOUSE—Albemarle Paper Mfg. Co., Tredegar Bldg., 4 story and basement, 100 x 140 ft., rein.-con., James River, to Claiborne & Taylor, Addison and Monument Aves. Archts. est. $100,000.

W. Va., Huntington — STORAGE and REFINERY—J. M. McCoach & Son, 1301 7th Ave., 6 story and basement, 115 x 136 ft. cold storage and refinery, to C. W. Hancock & Son, Krise Bldg., Lynchburg, Va. Archts. est. $175,000.

La., New Orleans—PLANT—Cumberland Telephone & Telegraph Co., South Rendon and Gravier Sts., 2 story, 80 x 80 ft., concrete, brick and frame loading plant and warehouse addition, to C. N. Bott, Maison Blanche Bldg., $43,047.

O., Lakewood (Cleveland P. O.)—PLANT—Cleveland Trinidad Paving Co., M. F. Bramley, pres., 836 The Arcade, will build 1 story, steel and concrete, Halstead St., by day labor. $40,000. Private plans.

Mich., Detroit—FREIGHT TERMINAL—Detroit Ry. & Harbor Terminal Co., Buhl Bldg., (1st unit), 200 x 600 ft., rein.-con. warehouse, to Parklap Constr. Co., 84 Pine St., New York City. Noted May 21.

Ill., East St. Louis—MILL—Eagle Picher Lead Co., 305 St. Clair Ave., 1 story, corroding mill, concrete and timber, to Wimmer Contg. Co., Victoria Bldg., St. Louis, Mo. Archts. est. $50,000.

Wis., Brokaw—PLANT—Wausau Paper Mills Co., W. F. Edmunds, mgr., will build 3 story, 80 x 96 ft., rein.-con., brick and steel, plain foundation, by day labor. $125,000. L. A. DeGuere, Wisconsin Rapids, engr.

Wis., Watertown—PLANT—Watertown Milk Products Assn., Route 2, 2 story, 60 x 82 ft. factory, 32 x 40 ft. boiler room, and 20 x 40 ft. receiving room, all rein.-con. and brick, plain foundation, to Watertown Constr. Co., 712 West Main St. Noted Apr. 30.

Wis., Sheboygan—FACTORY—Heinecke Co., 805 Indiana Ave., 2 story, 40 x 50 ft., rein.-con., brick and steel factory, plain foundation, to Verhulst Co., Inc., 2221 Calumet Ave. Archts. est. $40,000.

Wis., Waukesha — PLANT — H. C. Haeuser, archt., 445 Milwaukee St., Milwaukee, 1 story and basement, 62 x 116 ft., hollow tile and timber addition to bottling plant, plain foundation, here, to L. F. Schroeder Constr. Co., 13 East 1st St., Fond du Lac, for Waukesha Silurian Water Co. Archts. est. $40,000. Noted May 14.

Calif., Beverly Hills—Beverly-Globe Ice Co., 1030 Santa Monica Blvd., 2 story, 100 x 300 ft., ice cream plant, rein.-con., to Kimmerle-Hess Co., 230 West Jefferson St., Los Angeles, approximately $100,000.

Calif., Merced — FACTORY — Merced Tomato Products Co., 2 story, 80 x 100 ft. canning plant, to W. C. Steinmetz, Merced. $75,000.

Ont., Toronto—FACTORY and OFFICE—Ormsby & Rowan Ltd., 9 Richmond St. E., general contract 3 story and basement, rein.-con., York and Adelaide Sts., to Carswell Constr. Co., 58 Wellington St. E. Archts. est. $200,000.

Buildings—Commercial

PROPOSED WORK

Mass., Brookline (Boston P. O.) — APARTMENT—E. Silverstein, 16 Dix St., Revere, having preliminary sketches made by S. S. Eisenberg, 46 Cornhill St., Boston, 3 story and basement, brick apartment, here. $150,000 or more.

Mass., Cambridge (Boston P. O.) — APARTMENT HOTEL—E. N. Wyner, 18 Tremont St., Boston, will not construct Hotel Roosevelt, 10 story and basement, brick and limestone, Harvard Sq. $1,000,000. Project held in abeyance for the present. Noted May 21.

Mass., East Boston (br. of Boston) — COURT HOUSE — Dept. Pub. Buildings, Boston, plans brick and stone court house, here. $250,000. Engineer and architect not selected.

Conn., Danbury — DORMITORY — St. James Episcopal Church, A. C. Coburn, pastor, having sketches made by J. M. Howells, 367 Lexington Ave., New York City, brick and steel dormitory, $200,000.

N. Y., Brooklyn—APARTMENT HOTEL—Leverich Towers, c/o Starrett & Van Vleck, archts. and engrs., 393 7th Ave., having preliminary plans prepared 15 story, brick, steel and stone, plain foundation, Willow St. $3,000,000.

N. Y., Brooklyn — BANK — First Natl. Bank, Bway. and Boerum Sts., soon takes bids 3 story, brick, steel and stone, plain foundation, 176 Montague St. $150,000. L. C. Otto, 15 Park Row, New York City, archt. and engr.

N. Y., Brooklyn—GARAGE, etc.—Detroit Cadillac Motor Co., 1881 Bway., New York City, having plans prepared by C. E. Berge, archt. and engr., 103 Park Ave., New York City, 5 story, 115 x 175 ft., rein.-con., brick and steel, plain foundation, 737 Atlantic Ave., here. $400,000.

N. Y., Brooklyn—HOSPITAL—Lutheran Hospital Assn., East New York Ave., soon takes bids brick, steel and stone, plain foundation East New York Ave. $200,000. R. Resler, 41 East 42nd St., New York City, archt. and engr.

N. Y., New York — APARTMENT — D. Picuilo, c/o M. W. Del Gaudio, archt. and engr., 158 West 45th St., having plans prepared 6 story, brick, steel and stone, plain foundation, University Ave. $200,000.

N. Y., New York—APARTMENT—H. A. Murray, 988 5th Ave., having plans prepared by J. E. R. Carpenter, 598 Madison Ave., 14 story, brick, steel and stone, plain foundation, 80th St. and 5th Ave. $1,500,000.

Buildings—Commercial (Continued)

N. Y., New York—APARTMENT—S. W. Ehrich, 100 East 42nd St., plans 9 story, brick, steel and stone, plain foundation, 232 East 71st St. $600,000. Engineer and architect not selected.

N. Y., New York — APARTMENT — Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., preparing plans 6 story, brick, steel and stone, plain foundation, East 93rd St. $175,000. Owner's name withheld.

N. Y., New York — APARTMENT — S. Hoffman, 1476 Bway., plans 15 story, brick, steel and stone, plain foundation, 6th Ave. and 58th St. $1,200,000. Engineer and architect not selected.

N. Y., New York — APARTMENT — M. Maran & S. Stein, 277 Bway., plans 15 story, brick, steel and stone, plain foundation, 850 West End Ave. Engineer and architect not selected.

N. Y., New York — APARTMENT — K. Murchison, archt. and engr., 101 Park Ave., preparing plans 14 story, brick, steel and stone, plain foundation, Madison Ave. and 79th St. $1,300,000. Owner's name withheld.

N. Y., New York—APARTMENT—Vogel & Schultz, 7 East 42nd St., plans 15 story, brick, steel and stone, plain foundation, Bway. and 110th St. $2,000,000. Engineer and architect not selected.

N. Y., New York — ASSOCIATION — Bowling Green Neighborhood Assn., 45 West St., having plans prepared by J. F. Jackson, archt. and engr., 137 East 45th St., 4 story, brick, steel and stone, plain foundation, 105 Washington St. $200,000.

N. Y., New York — COURT HOUSE — City of New York, Bronx Boro Hall, Tremont Ave., having plans prepared 3 story, brick, steel and stone, plain foundation, Williamsbridge Rd. $350,000. Private plans.

N. Y., New York—GARAGE—Estate of G. Friedland, c/o L. Sheinart, archt. and engr., 194 Bowery, soon takes bids 4 story, rein.-con., brick and steel, 113 Chrystie St. $150,000.

N. Y., New York—HOSPITAL—City of New York Bellevue & Hospitals, 26th St. and 1st Ave., J. J. McGrath, pres., plans brick, steel and stone, plain foundation, Jackson Ave. between 145th and 147th Sts. $1,200,000. Private plans.

N. Y., New York—HOTEL—Rosenzweig Bros., c/o Schwartz & Gross, archts. and engrs., 347 5th Ave., having plans prepared 16 story, 90 x 100 ft. brick, steel and stone, plain foundation, 137 West 49th St. $2,000,000.

N. Y., New York—LOFT—D. Perlman, c/o A. P. Hess, archt. and engr., 345 Madison Ave., soon takes bids brick, steel and stone, plain foundation, West 35th St. $500,000.

N. Y., New York—OFFICE—Mandelbaum & Lewine, 160 Bway., and M. N. Natanson, 522 5th Ave., having plans prepared by H. C. Severance, 36 West 44th St., 30 story, brick, steel and stone, plain foundation, 5th Ave. and 44th St. $6,000,000.

N. Y., New York — OFFICE — Partos Realty Corp., c/o Rouse & Goldstone, archts. and engrs., 512 5th Ave., had plans prepared 15 story, brick, steel and stone, plain foundation, 110 West 42nd St. $1,500,000.

N. Y., New York — OFFICE — Royal Insurance Co., Ltd., 84 William St., having plans prepared by Starrett & Van Vleck, archts. and engrs., 393 7th Ave., 18 story, 230,000 sq.ft. floor space, brick and steel, plain foundation, William and Fulton Sts. $4,000,000.

N. Y., New York—OFFICE—Mandel-Ehrlich Corp., 1 Pershing Sq., having preliminary plans prepared by V. C. Farrar, archt. and engr., 1 Pershing Sq., 35 story, 200 x 200 ft., brick, steel and stone, plain foundation, Park Ave. between 32nd and 33rd Sts. $7,000,000.

Pa., East Pittsburgh (Pittsburgh P. O.) —OFFICE—B. H. Prack, archt., Martin Bldg., Pittsburgh takes bids about June 2, 11 story and basement, 52 x 360 ft., brick, steel and hollow tile office, here for Westinghouse Electric & Mfg. Co., East Pittsburgh.

Pa., Lehighton — HOME — Jacoby & Everett, archts., Commonwealth Bldg., Allentown, preparing plans 3 story and basement, 65 x 130 ft., brick, plain foundation, here. $150,000. Owner's name withheld.

Pa., McKeesport—HOTEL—McKeesport Community Hotel, c/o R. F. Dulaney, McKeesport, having plans prepared by B. Jannsen, Century Bldg., Pittsburgh, 4 story and basement, 120 x 140 ft., brick and tile, Blackberry St. and 5th Ave. $350,000.

Pa., Nazareth — DORMITORY — Poor Directors Northampton Co., Easton, having plans prepared by E. H. Wenzelberger, Easton, 3 story and basement, 27 x 97 ft. with two 32 x 116 ft. wings, brick, plain foundation. $150,000.

Md., Baltimore — APARTMENT — J. I. Goldstein, Greenway Apartments, having plans prepared by F. A. Fletcher, 407 North Charles St., 6 story, brick and steel, plain foundation, Park Heights Ave. near Shelburne Ave. $350,000.

Ga., Atlanta—OFFICE—Atlanta Chamber of Commerce, had tentative plans prepared by Pringle & Smith, Atlanta Trust Co. Bldg., 12 story, rein.-con., limestone, pressed brick, terra cotta and marble, on 87 x 88 ft. site, Pryor St. and Auburn Ave. $600,000.

Fla., Clearwater—HOTEL and OFFICE —G. H. Bowles, Gray Moss Inn, plans 7 story addition, Cleveland Ave. $200,000.

Fla., Lake Worth—OFFICE—Lauriston Securities Corp., 730 5th Ave., New York City, and Lake Worth, having plans prepared by M. L. Hampton & E. H. Ehmann, Miami, 2 story office building, Dixie Ave. $250,000.

Fla., Miami—HOTEL—East Coast Enterprise, Inc., T. W. Palmer, pres., plans 17 story hotel, North Bay Shore Dr. $2,000,000.

Fla., Tampa — APARTMENT — Bailey-Erler Corp., having plans prepared by F. J. Kennard & Son, Krauss Bldg., 6 story, 130x135 ft., rein.-con. apartment. $250,000.

Fla., Tampa — COURT HOUSE — Hillsborough Co. election June 2, $1,500,000 bonds for court house. W. A. D. Kenson, clk.

La., Alexandria — TEMPLE — Masonic Benevolent Assn., c/o C. N. Adams, pres., having preliminary plans prepared brick, stone and concrete, 4th and Johnson Sts. $200,000.

La., New Orleans — HOSPITAL — Bd. Trustees John Dibert Tubercular Hospital, plans hospital on 42 x 116 x 285 ft. site, Tulane Ave. and Claiborne St., adjoining Charity Hospital. $400,000.

Tenn., Kingsport — APARTMENTS — Borden Mills, Fall River, Mass., plans 350 small buildings, brick and stucco, here. $200,000.

Tenn., Nashville—APARTMENT—Hart, Nevens, Freeland & Roberts, Independent Life Bldg., archts. and engrs., preparing plans 4 story, modern apartment building, Elliston Pl. $800,000. Owner's name withheld.

O., Cleveland—APARTMENT—Clairdoan Building & Constr. Co., c/o L. Arnoff, 420 Leader News Bldg., had plans prepared by G. Rudolph, 32 Trumbull Ave., 4 story, 122 x 350 ft., brick, steel and concrete, 14012 Lake Shore Blvd. $400,000.

O., Cleveland — APARTMENTS — East 86th St. Development Co., c/o S. H. White, archt., Schofield Bldg., having plans prepared three 4 story and basements, 60 x 97 ft., brick, East 86th St. near Euclid Ave. $300,000.

O., Cleveland — APARTMENT — Garden Court Realty Co., 517 Sloan Bldg., had plans prepared by G. A. Grieble, Sloan Bldg., 4 story, 42 x 120 ft., brick and rein.-con., 7346 Euclid St. $200,000.

O., Cleveland—APARTMENT HOTEL—Syndicate, c/o N. Weltman, 3320 Ormond Rd., Cleveland Heights, having sketches made by H. B. Beidler, Ulmer Bldg., 6 or 8 story, brick and rein.-con. apartment hotel, here. $400,000.

O., Cleveland — COMMERCIAL and APARTMENT — Gordon & Mason, 11414 Temblett Ave., having plans prepared by L. Skolnik, 6th St. Clair Bldg., 3 story and basement, 128 x 134 ft., brick and timber, East 195th St. and Temblett Ave. $150,000.

O., Cleveland — HOSPITAL — City, D. Blosson, dir. Pub. Welfare, plans chronic and convalescent hospital, brick, steel and concrete, Scranton Rd. $1,000,000. H. Kregelius, City Hall, engr.

O., Cleveland—LABORATORY—City, D. Blossom, dir. Welfare, City Hall, plans 3 story, brick, steel and concrete, Scranton Rd. $300,000.

Mich., Detroit — HOSPITAL — Detroit Presbytery, M. E. Anderson, chn., 259 West Grand Blvd., plans (1st unit) 3 story, concrete, brick and steel hospital. $200,000. Engineer and architect not selected.

Wis., Milwaukee — APARTMENT and BUSINESS—R. J. Kern, 930 38th St., having preliminary plans prepared by W. J. Kozick, 644 26th St., 3 story and basement, brick, tile and rein.-con., plain foundation, Vliet St. $150,000.

Wis., Milwaukee—APARTMENT—I. H. Benesch Co., 513 Van Buren St., having plans prepared by A. Kenney, c/o owner, 3 story, 90 x 192 ft., brick and tile, plain foundation, Prospect Ave. $200,000.

Wis., Milwaukee — THEATRE and BUSINESS—J. B. Cullen, 719 Marshall St., plans 3 story and basement, brick and concrete, plain foundation, Ogden Ave. $150,000. Engineer and architect not selected.

Wis., Racine — CLUB HOUSE — [illegible] Aerie of Eagles, W. Armstrong, 1818 [illegible] Ave., pres., plans 3 or 4 story, brick and concrete clubhouse, plain foundation. $[illegible] 000. Engineer and architect not select[illegible]

Minn., St. Paul—HOSPITAL—[illegible] Co. Bd. Control having revised plans [illegible] pared by Buechner & Orth, 500 Shu[illegible] Bldg., 4 story and basement, 150 x [illegible] ft., rein.-con., brick and stone addit[illegible] Jefferson and Colburn Sts. $400,000. For[illegible] bids rejected. Noted May 28.

Kan., Kansas City—WAREHOUSE— [illegible] derson Furniture Co., 739 Minnesota [illegible] having preliminary sketches made by C. [illegible] Smith, 336 Brotherhood Blk., 5 story [illegible] basement, 50 x 128 ft., rein.-con., brick and terra cotta. To exceed $150,000.

Kan., Leavenworth—HOSPITAL—Cust[illegible]ing Hospital Assn., postponed construction concrete and brick hospital until 192[illegible] $200,000. Keene & Simpson, 1005 Land Bank Bldg., Kansas City, Mo., archts. Noted Apr. 16.

Kan., Pittsburg—HOTEL—Chamber of Commerce, having plans prepared by Reyborn Eng. & Constr. Co., 609 Waldheim Bldg., Kansas City, Mo., 7 story and basement, 90 x 170 ft., rein.-con. and brick hotel. $300,000.

Mo., Kansas City — THEATRE — Boller Bros., archts., 114 West 10th St., take bids after June 15, 1 story, balcony and basement, 60 x 235 ft., rein.-con., brick and terra cotta, plain foundation, 3827 Main St., for E. E. Werner, 3360 Gillham Rd. $150,000. Noted May 14.

Mo., St. Louis—OFFICE——Syndicate of Doctors, c/o O. J. McCawley Realty Co., 613 Chestnut St., having preliminary plans prepared by Study & Farrar, 1363 Arcade Bldg., 8 story and basement, rein.-con., brick and steel, Washington St. $550,000.

Tex., Cameron — HOTEL — Syndicate, having preliminary plans prepared 4 or more story and basement, rein.-con., brick and stone hotel, plain foundation. $150,000. Project financed under auspices Chamber of Commerce.

Tex., Dallas — OFFICE — Dallas Cotton Exchange, R. L. Dixon, chn. Bldg. Com., 1501½ Commerce St., plans 16 story and basement, rein.-con., brick and steel, Harwood and San Jacienta Sts. $1,500,000. Engineer and architect not selected.

Tex., Georgetown—DORMITORY—Southwestern University, J. S. Barcus, pres., soon lets contract 3 story, U shape, 87 x 234 ft. women's dormitory, rein.-con., brick and stone, on campus, $225,000. M. L. Diver, 512 Calcasieu Bldg., San Antonio, engr. C. B. Schoeppel & Co., 319 Humble Bldg., Houston, archts.

Tex., Gonzales — HOTEL — Syndicate having plans prepared by M. L. Waller, archt. and engr., Standard Trust Bldg., San Antonio, 4 story, roof garden and part basement, rein.-con., brick and stone, plain foundation. $150,000. Noted Mar. 5.

Tex., Houston — WAREHOUSE — G. B. Post & Son, archts., 1003 Pioneer Bldg., Kansas City, Mo., take bids about Sept. 1, 6 or 7 story, rein.-con. and steel, plain foundation, North Main St. and Missouri, Kansas & Texas Railroad tracks, here, for Missouri, Kansas & Texas R.R. Co. of Texas, c/o A. Scharff receiver, Missouri, Kansas & Texas Bldg., Dallas. $3,000,000. Noted Apr. 30.

Tex., San Antonio—APARTMENT—L. J. Hart, Gunter Bldg., E. J. Altgelt, Frost Natl. Bank Bldg., A. Seeligson, 115 East Ashby St., et al., having plans prepared by Kelwood Co., archts. and engrs., Travis Bldg., 8 story and basement, rein.-con., brick and stone, plain foundation, Lexington and Oakland Sts. $1,000,000. Noted Apr. 16.

Tex., San Antonio — THEATRE and OFFICE—Boller Bros., archts., 114 West 10th St., Kansas City, Mo., take bids after June 15, 5 story and basement, 93 x 276 ft., rein.-con. and steel, plain and caisson foundation, Houston, Travis and Riverside Sts., for W. J. Lytle, 12 Princess Theatre Bldg. $1,000,000. Noted Apr. 2.

Colo., Denver—DORMITORY—Catholic Seminary having plans prepared by J. B. Benedict, 1669 Bway., (1st unit), 4 story, rein.-con. and brick, Louisiana and Cook Sts. $300,000.

Colo., Denver—TEMPLE—Hoyt & Hoyt, archts., Colorado Natl. Bank Bldg., soon takes bids superstructure 3 story and basement, 85 x 140 ft., rein.-con. and steel, between West 35th and 36th Sts., Federal and Elliott Aves., for Highlands Masonic Temple Assn., 3220 Federal Blvd., $225,000; foundation for above, to F. H. Corell, Central Savings Bank Bldg., $10,000.

Calif., Hollywood — HOSPITAL — Hollywood Hospital, North Vermont Ave., having plans prepared by Meyer & Holler, Wright-Callendar Bldg., Los Angeles, 5 story and basement, 36 x 200 ft., Class A hospital annex. $300,000.

Buildings—Commercial (Continued)

Calif., Los Angeles—APARTMENT—H. J. Barrett, archt., 2453 South Western Ave., preparing plans 12 story and basement, rein.-con., Wilshire Blvd. and Highland Ave. $200,000. Owner's name withheld.

Calif., Los Angeles—CLUB, etc.—Leach Cross, c/o J. J. Frauenfelder, archt., Story Bldg., **Los Angeles, having plans prepared** approximately 4 story (front section), 80 x 190 ft., rein.-con. clubhouse, incl. three tile lined swimming pools, Western Ave. $150,000 or more.

BIDS DESIRED

Massachusetts — TELEPHONE — New England Telegraph & Telephone Co., Milk St., Boston, taking bids two 2 story, 35 x 55 ft., brick telephone buildings, one in Needham, and other in Wakefield. $150,-000. P. A. Hopkins, 177 State St., Boston, archt.

Mass., Arlington (br. of Boston) — THEATRE, STORE and APARTMENT — J. E. Locatelli Co., 151 Highland Ave., will build 1 and 2 story and basement, 160 x 200 ft., brick and stone, plain foundation, Lake St. and Massachusetts Ave. To exceed $150,000. Work will be done by separate contracts. W. W. Drummey, 80 Boylston St., Boston, archt. Noted May 28.

Mass., Quincy (Boston P. O.) — THEATRE—W. J. Bradford, c/o W. J. Freethy, archt., 110 State St., Boston, will build 1 story and basement, 100 x 160 ft., rein.-con., brick and steel, plain foundation. $150,000. Work will be done by separate contracts.

R. I., Newport — HOTEL—June 6, by Chamber of Commerce, W. C. Campbell, secy., 5 story, 70 x 152 ft., brick, stone and steel, plain foundation, Touro St. $350,000. Day & Zimmerman, 1600 Walnut St., Phila., Pa., engr. Thomas, Martin and Kirkpatrick, 112 South 16th St., Phila., Pa., archts. Noted Dec. 11.

Conn., Hartford — SOCIAL — F. Walz, archt., 407 Trumbull St., taking bids and opens same about June 15, 3 story, 44 x 188 ft., brick and limestone, concrete foundation, Main St., for I. O. O. F. Society. $255,000.

Conn., Manchester — TOWN HALL — June 17, by Town Selectmen, Hall Records, 2 story, rein.-con., brick and timber, concrete foundation. F. C. Farley, 333 4th Ave., New York City, archt. $200,000. Noted Oct. 23.

N. Y., Brooklyn—THEATRE and STORE—Perri Contg. Co., Inc., c/o J. M. Berlinger, archt. and engr., 469 7th Ave., New York City, will build brick, steel and stone, plain foundation, Flatbush Ave., here. Work will be done by separate contracts. $600,000.

N. Y., Creedmoor (Jamaica P. O.) — HOSPITAL — June 24, by State Hospital Comn., Albany, additions and alterations to kitchen and dining rooms at Brooklyn State Hospital, here. S. W. Jones, state archt.; adv. E. N.-R. June 4.

N. Y., New York—APARTMENT—L. E. Kleban, Inc., 1714 Crotona Park E., will build 15 story, brick, steel and stone, plain foundation, 207 West 106th St. $1,500,000. Work will be done by separate contracts.

N. Y., New York—OFFICES—June 15, by Sloan & Robertson, archts. and engrs., 1 Pershing Sq., 21 story, brick, steel and stone, plain foundation, Cedar and Williams Sts., $2,500,000; also altering 15 story office building, at 57 William St., $200,000, both for Cedar William St., Corp., c/o architects. Noted Apr. 9.

Pa., Altoona—CITY HALL—June 9, by City and Hersh and Shollar, archts., Commerce Bldg., 3 story and basement, 76 x 107 ft., brick, stone and steel city hall. $300,000. G. J. Baum, city engr. Noted May 14.

Pa., Chester—STORE and APARTMENT—June 5, by J. T. Hoekstra, archt., 1713 Sansom St., Phila., 3 story and basement, 45 x 119 ft., brick, plain foundation, 26 East 7th St., here, for A. P. Musselman, 712 Fulton St.

Pa., Washington — HOSPITAL — Washington Hospital Assn., D. Owens, Supt., and Schmidt, Garden & Martin, archts., 104 South Michigan Ave., Chicago, Ill., taking bids 4 story and basement, brick, steel and tile addition, Nelson Ave.

O., Cleveland — APARTMENTS — H. B. Beidler, archt., Ulmer Bldg., taking bids two 4 story and basement, 60 x 68 ft., brick, 1906-20 East 85th St., for Dependable Constr. Co. $250,000.

O., Cleveland — COMMERCIAL and OFFICE—June 15, by W. S. Ferguson Co., archts. and engrs., 1900 Euclid Ave., 10 story, 135 x 320 ft., brick, steel and concrete, Euclid Ave. and East 24th St., for Motors Realty Co., c/o G. G. G. Peckham, pres., c/o Ohio Buick Co., 1903 East 19th St. $1,000,000. Noted May 8.

O., Cleveland—NURSES' HOME, etc.—June 15, by Mount Sinai Hospital, F. E. Chapman, dir., 1800 East 105th St., 2 story and basement, brick, steel and concrete nurses' home, patients' building and laboratory, also alternating boiler house, main and laundry buildings. Private plans. Noted Nov. 13.

O., Dayton — TEMPLE — June 20, by Dayton Masonic Lodge, and Herman & Brown, archts., 1129 Reibold Bldg., 3 story and basement, 150 x 260 ft., rein.-con., brick and steel, plain foundation. Stoddard St. $1,500,000.

O., Rocky River (Cleveland P. O.)—STORE, OFFICE and THEATRE — M. Rubin, Ulmer Bldg., Cleveland, taking bids 2 story, brick, steel and concrete, Madison and Hillard Rds. $300,000. Braverman & Havermaet, 208 Ulmer Bldg., Cleveland, archts.

Mich., Detroit — HOSPITAL — June 9 (extended date), by H. H. Prenzlauer, secy. Pub. Welfare Comn., Clinton St., 9 story and basement, rein.-con., brick and steel, plain foundation, Clinton St. $1,000,000. Carey & Esselstyn, 602 Hoffman Bldg., archts. and engrs. Noted May 14.

Ill., Joliet—ORPHANAGE—June 10, by E. Brielmaier & Sons, archts., 432 Bway., Milwaukee, Wis., 3 story and basement, 90 x 197 ft., concrete and brick orphanage, incl. boiler house and laundry, plain foundation, here, for Guardian Angel Orphanage, $400,000.

Wis., Milwaukee—BUSINESS—Leiser & Holst, archts., 105 Wells St., taking bids 4 story and basement, 44 x 120 ft., rein.-con., brick and steel, plain and wood pile foundation, 3rd St., also 1 story, 40 x 120 ft. addition on adjoining building, for J. B. Olinger, 194 3rd St. $150,000. Noted May 21.

Kan., Kansas City—COURT HOUSE—Wyandotte Co. taking bids 5 story and basement, 134 x 222 ft. court house. $1,000,000. White & White, 1st Natl. Bank Bldg., Kansas City, Mo., archts. Gillham, Cook & White, Interstate Bldg., Kansas City, Mo., engrs. Noted Mar. 13.

Tex., Brady—WAREHOUSE—E. A. Burrow, engr. McCulloch Co., taking bids 200 x 200 ft. steel warehouse.

Wash., Olympia—LEGISLATIVE HALL—June 30, by State Capitol Comn., erecting and completing excavation, concrete work, brick, cut stone, waterproofing, structural steel, ornamental work and sub-contracts, etc., for 179 x 341 ft. hall. $3,750,000. Wilder & White, 16 East 41st St., New York City, N. Y., archts. Bebb & Gould, 710 Hoge Bldg., Seattle, associated archts.

Ore., Portland—OFFICE and STORE—June 15, by A. E. Doyle, archt., Worcester Bldg., 10 story, 75 x 200 ft., rein.-con., solid rock foundation, 5th, 6th and Yamhill Sts., for Corbett Estate, H. L. Corbett, Corbett Bldg., mgr. $1,000,000.

BIDS RECEIVED

Mass., Brighton (Boston P. O.)—COURT HOUSE—City of Boston Dept. Pub. Bldgs., 1 story and basement, 80 x 200 ft., granite and limestone, Chestnut Hill Ave. and Academy Hill Rd., here, from T. O'Connor Co., 218 Main St., Cambridge. $355,000. Noted May 22, 1924.

N. Y., Long Island City — FIRE STATION — T. J. Drennan, fire comr. Municipal Bldg., May 26, central station for Bureau Fire Alarm & Telegraph, Myrtle Ave., Forest Park, here, from Dooley Stapleton Corp., 257 Delphi Pl., Brooklyn, $135,224. Noted May 21.

Pa., Erie—Y. W. C. A., 1045 West 9th St., 2 story and basement, 71 x 160 ft., rein.-con., brick and steel, incl. swimming pool, from Upton & Lang, Commerce Bldg., $133,387. Noted Mar. 5.

CONTRACTS AWARDED

Mass., Boston—WAREHOUSE—Morgan Memorial Corp., 89 Shawmut Ave., F. S. Moore, treas., 6 story and basement, 80 x 100 ft., rein.-con. and brick, plain foundation, 36-44 Kirkland St., to W. H. Bailey Co., 88 Broad St. Archts. est. $150,000-$175,000.

Mass., Brighton (Boston P. O.)—WAREHOUSE and OFFICE — International Harvester Co. of America, 42 Somerville Ave., Somerville, 4 story and basement, 100 x 150 ft., rein.-con. and brick, 63 North Beacon St., to Aberthaw Constr. Co., 27 School St., Boston. Archts. est. $200,000. Noted May 21.

Mass., Marlboro — BANK — First Natl. Bank of Marlboro, 1 story and basement, 75 x 140 ft., brick and stone, plain foundation, Main St., to Holt-Fairchild Co., 7 Water St., Boston. Archts. est. $150,000. Noted May 28.

Mass., Norton—DORMITORY—Wheaton College, Dormitory 4, addition to Emerson Hall, 2 story and basement, brick and limestone, to J. T. Wilson & Son, Nahant. Archts. est. $200,000.

Mass., Somerville (Boston P. O.) — STORE, OFFICE and GARAGE—Kolligian & Sons, 9 Union Sq., 2 story and basement, 8,000 sq.ft. floor space, rein.-con. and brick, Union Sq., to J. E. Locatelli, 151 Highland Ave. Archts. est. $150,000. Noted Apr. 16.

Mass., West Roxbury (Boston P. O.)—STORE—G. Rednick, c/o S. E. Moffee, archt., Cornhill, Boston, will build 1 story and basement 90 x 240 ft., brick and stone, Center St., by day labor. $150,000.

R. I., Woonsocket—STORE—S. S. Kresge Co., Kresge Bldg., Detroit, Mich., 2 story and basement, brick, plain foundation, 116 Main St., to Eastern Constr. Co., Woonsocket. Archts. est. $150,000.

Conn., Hartford—OFFICE and STORE—Ferrigno & Perrone (contractors), 20 Darien St., will build 6 story, brick and steel, Asylum St. $500,000. Owner's name withheld.

N. Y., Brooklyn — BANK — Prudential Savings Bank, Stuyvesant Ave., brick, steel and stone addition, plain foundation, Stuyvesant Ave., to J. Auers Bros., 648 Lexington Ave. Archts. est. $150,000.

N. Y., Brooklyn—WAREHOUSE—New York Telephone Co., 15 Dey St., New York City, rein.-con. and steel, plain foundation, Fulton St., here, to White Constr. Co., Inc., 95 Madison Ave., New York City. Archts. est. $600,000.

N. Y., New York—BANK and OFFICE—Corn Exch. Bank, 13 William St., 1 story, brick, steel and stone, plain foundation, Kingsbridge Rd., to W. V. Kiehnle Co., 3606 Park Ave. Archts. est. $200,000.

N. Y., New York—CLUB and HOTEL—Levell Club, Inc., 922 St. Nicholas Ave., 14 story, brick, steel and stone, plain foundation, 251 West 73rd St., to J. Stewart & Co., Inc., 17 East 42nd St. Archts. est. $1,000,000. Noted Jan. 29.

N. Y., New York — OFFICE — G. C. Smith, c/o H. O. Chapman, archt. and engr., 171 Madison Ave., 8 story, brick, steel and stone, plain foundation, 41 West 57th St., to Fountain & Choate, 110 East 23rd St. Archts. est. $175,000.

N. Y., Rochester—BANK—Lincoln Alliance Bank, brick, steel and stone, plain foundation, North Goodman St., to G. A. Fuller, 175 5th Ave., New York City. Archts. est. about $750,000. Noted Apr. 26, 1923.

N. J., Blackwood — HOSPITAL — Freeholders Burlington Co., Camden, (1) alterations and additions to insane hospital (2) infirmary and isolation building, etc., to J. S. Rogers, Drexel Bldg., Phila., Pa., (1) $473,260 (2) $250,490; plumbing, to W. Newall, 1707 Sansom St., Phila., Pa., (1) $33,914, to N. Connolly, 2404 North 18th St., Phila., Pa., (2) $20,992; heating, to J. H. Hutchison, 1020 Callowhill St., Phila., Pa., (1) $30,955 (2) $13,997. Noted May 28.

Pa., Hanover — HOSPITAL — Hanover Genl. Hospital, 3 story and basement, 54 x 137 ft., Highland and Charles Sts., to J. B. Ferguson, Hagerstown, Md. Archts. est. $200,000. Noted Apr. 30.

Pa., Charleroi — BANK — Hopkins & Dentz, archts., 415 Lexington Ave., New York City, 1 story, basement and mezzanine, 64 x 120 ft., brick and steel, plain foundation, here, to Gibbs Constr. Co., Commercial Exch. Bldg., Phila., for Bank of Charleroi & Trust Co. Noted May 21.

Pa., Meadville—ORPHANAGE—W. H. Crosby, archt., Oil City, 2 story and basement, 85 x 157 ft., brick, steel and concrete, Allegheny St., to A. Wishart & Sons Co., 172 Silver St., Sharon, for Meadville Lodge I. O. O. F. $203,000. Noted May 7.

Pa., McKeesport—OFFICE—Bell Telephone Co. of Pennsylvania, 416 7th Ave., Pittsburgh, general contract 3 story and basement central office building, 6th Ave., to W. F. Trimble & Sons, 1719 Pennsylvania Ave., Pittsburgh, $146,000.

Pa., Verona—BANK—First Natl. Bank, Verona, general contract 1 story, basement and mezzanine, 50 x 129 ft., Front St., to Conley & De Mey, 127 North Hiland Ave. Archts. est. $150,000. Noted Apr. 16.

Pa., York — BANK — W. L. Stoddart, archt., 50 East 41st St., New York City, 1 story, basement and mezzanine, 50 x 115 ft., rein.-con. and brick, plain foundation, Market and Newberry Sts., here, to Consolidated Eng. Co., Calvert Bldg., Baltimore, Md., for Western Natl. Bank. Noted Apr. 30.

O., Canton—HOTEL—Stark Hotel Co., Canton, 12 story and basement, 67 x 200 ft., Cleveland and 3rd Sts. N. W., to Caldwell & Evans, 3rd and Cleveland Aves., N. W. Archts. est. $1,500,000. Noted Jan. 1.

O., Dayton—OFFICE—Schenck & Williams, archts., Mutual Home Bldg., 12 story, 60 x 100 ft., rein.-con., brick and stone, Main St., to Shook & Billiter, Schwind Bldg., for Third Natl. Bank, 21 East 3rd St., about $900,000.

Ill., Aurora — WAREHOUSE — Chicago, Burlington & Quincy R.R. Co., 547 West Jackson Blvd., Chicago, 3 story and base-

Buildings—Commercial (Continued)

ment, 100 x 500 ft., rein.-con., plain foundation, here, to Wells Bros. Constr. Co., 53 West Jackson Blvd., Chicago. Archts. est. $400,000.

Ill., Niles Center—STORE and OFFICE—M. J. Faherty Co., 77 West Washington St., Chicago, general contract 2 story and basement, 75 x 120 ft., rein.-con. and brick, Dempster St. and the Bronx, to Friberg & Co., 3840 Southport St., Chicago. Archts. est. $200,000.

Wis., Milwaukee—HOTEL—M. Tullgren & Sons, archts., 425 East Water St., 8 story and basement, 120 x 124 ft., brick and concrete addition, plain foundation, Juneau Ave., to S. M. Siesel Co., 160 Ogden Ave., for Hotel Astor Co., Juneau Ave. and Marshall St. $700,000. Archts. est. $750,000. Noted Apr. 23.

Minn., Minneapolis — OFFICE — M. T. Baker, 517 Marquette Ave., general contract 12 story and basement, 100 x 165 ft., rein.-con., brick and terra cotta, 7th St. and 2nd Aves., to J. Leck Co., 211 South 11th St. Archts. total est. about $1,000,000.

Mo., Kansas City — BUSINESS — Levy Bros. Meat & Provision Co., 22 City Market, general contract, 3 story and basement, 62 x 130 ft., rein.-con., brick and terra cotta business building, to E. E. Williams, 3542 Main St. Archts. est. $150,000.

Mo., Kansas City — GARAGE — J. H. White, 619 Lee Bldg., 2 story and basement, 116 x 149 ft., rein.-con., brick and steel garage, to M. S. Shinnick, Jenkins Bldg. Archts. est. $150,000.

Mo., Kansas City — HOTEL — C. E. Phillips Building Co., 609 Victor Bldg., will build 5 story and basement, 75 x 122 ft., rein.-con. and brick hotel, by day labor. To exceed $150,000. N. E. Peters, 1006 Orear-Leslie Bldg., archt. Noted Mar. 19.

Mo., Kansas City—WAREHOUSE—Patterson Corp., 3110 Gillham Rd., 3 story and basement, 172 x 227 ft., rein.-con., brick and steel warehouse, to H. Stiver, 402 Shukert Bldg. Archts. est. $150,000.

Tex., Dallas—CLUB—Owners, c/o H. H. Mitchell, pres., Interurban Bldg., 2 story, brick and tile, Santa Fe Bldg., to Watson Co., 1927 South Akard St., approximately $150,000. Noted Apr. 30.

Wash., Seattle—APARTMENT—J. L. Holmes, archt., Pantages Bldg., 5 story and basement, 60 x 120 ft. apartment, Union and Boren Sts., to A. S. Hainsworth, Natl. Bank of Commerce Bldg., for Sovereign Investment Co., Pantages Bldg. Archts. est. $250,000. Noted Apr. 2.

Calif., Fresno—THEATRE—West Coast Theatres, Inc., Knickerbocker Bldg., Los Angeles, Class A theatre, Fulton St., to Trewhitt-Shields Co., Rowell Bldg., Fresno. $300,000.

Calif., Hollywood — CLUB — J. Morgan, archt., Merchants Exch. Bldg., San Francisco, 3 story and basement, rein.-con. clubhouse, to J. C. Bannister, 6331 Hollywood Blvd., Los Angeles, for Hollywood Studio Club. $155,000. May 21.

Calif., Long Beach—APARTMENT—S. C. Robertson, 4 story and basement, rein.-con., brick and hollow tile, 6th St., to Stradley-Newton, & Wilkie, Markwell Bldg., Long Beach, approximately $160,000.

Calif., Long Beach—STORE—Cash Store Co., general contract 4 story and basement, 75 x 150 ft., brick and steel, East Bway., to Long Beach Brick Co., 243 East 7th St., Long Beach. $149,950.

Calif., Los Angeles—HOTEL and STORE—L. Offer, 408 Commercial Exchange Bldg., 4 story and basement, 50 x 150 ft., brick and concrete, 11th and Burlingame Sts., to A. Bard & Co., 421 Union Oil Bldg., Los Angeles, $152,000.

Calif., Merced — HOTEL and STORE — E. N. Baker, 7 story and basement, 100 x 150 ft., rein.-con. hotel and store building, to Davis-Heller-Pearce, Inc., Delta Bldg., Stockton. $300,000.

Calif., San Francisco—APARTMENTS—J. Cummings, 275 Russ Bldg., two 6 story and basement, concrete apartments, Larkin St. near Eddy St., to Kincanon & Walker, 275 Russ Bldg., $80,000 each.

Calif., San Francisco—APARTMENT—J. G. Kincanon, 275 Russ Bldg., 6 story and basement, rein.-con., Eddy and Larkin Sts., to Kincanon & Walker, 275 Russ Bldg., $175,000.

Calif., San Francisco — HOTEL — C. S. Blair, et al, 10 story and basement, brick and rein.-con., Jones and Turk Sts., to Monson Bros., 251 Kearny St., approximately $250,000.

Ont., Toronto—NURSES' HOME—E. J. Lennox & Son, archts., 364 Bay St., general contract 5 story and basement, 80 x 150 ft., rein.-con., brick and steel, plain foundation, Dunn Ave., to Page & Co., Ltd., 353 Weston Rd. S., for Hospital for Incurables, Dunn Ave. Archts. est. $200,000. Noted May 14.

Ont., Toronto — OFFICE — Dept. Pub. Wks., Parliament Bldg., structural steel for office building, Queens Park, to Dominion Bridge Co. Ltd., Reford Bldg.; reinforcing steel, to B. McDonald, 83 Coulter Ave., Weston; brick and tile, to Don Valley Brick Wks., Federal Bldg. Noted Apr. 16.

Buildings—Educational, Religious

PROPOSED WORK

N. H., Concord—HIGH SCHOOL—Building Com., H. J. Lake, chn., 97 North Main St., plans 2 story and basement, brick high school. $150,000. Engineer and architect not selected.

Mass., Brighton (Boston P. O.) — SCHOOL—School House Dept., F. P. Glynn, chn., Boston, plans Kindergarten-Primary School, 2 story, brick, Washington Allston Dist., here. $150,000. Engineer and architect not selected.

Mass., Cambridge (Boston P. O.)—LAW SCHOOL — Harvard University, A. L. Lowell, pres., plans law school. To exceed $150,000. Engineer and architect not selected.

Mass., Fall River—CONVENT—Owner, c/o L. G. Destremps, archt., 11 Pleasant St., having preliminary sketches made 2 story convent of Jesus Mary. $150,000.

Mass., Lincoln—SCHOOL—School Com. plans 2 story and basement, brick school. $150,000. Engineer and architect not selected.

Mass., Raynham — SCHOOL — School Comm. having sketches made by F. I. Cooper Corp., 172 Tremont St., Boston, 2 story, brick school. $150,000.

R. I., Providence — COLLEGE — State plans new college $600,000. Engineer and architect not selected.

R. I., Providence—HALL—Bd. Trustees Woman's College, Brown University, had plans prepared by Andrew, Jones, Biscoe & Whitmore, 50 Congress St., Boston, 2 story and basement, rein.-con., brick and stone, plain foundation, Cushing and Meeting Sts. $400,000 funds being raised.

R. I., Providence—SCHOOL—Com. Educ. plans school for crippled children. $150,000 or more. Engineer and architect not selected.

R. I., West Warwick—HIGH SCHOOL—School building Com., J. A. Swanson in charge, plans Junior High School. $150,000 or more. Engineer and architect not selected.

Conn., Deep River — CHURCH — Deep River Baptist Church, c/o W. H. McLean, archt., 88 Tremont St., Boston, having sketches made 1 story and basement, brick and stone church. $150,000.

N. Y., New York—CHURCH and HOTEL—Calvary Baptist Church, J. R. Straton, pastor, 123 West 57th St., having preliminary plans prepared by McKim, Mead & White, 101 Park Ave., 12 story, 100 x 100 ft., brick, steel and stone, plain foundation, 123 West 57th St. $2,000,000.

Pa., Indiana—CHURCH and SUNDAY SCHOOL—United Presbyterian Congregation, J. C. Pinkerton, 645 School St., pastor, having plans prepared by G. E. Savage, Witherspoon Bldg., Phila., 1 and 3 story and basement, stone, Church St. $150,000.

Pa., Phila.—COLLEGE—P. Getz, archt., Victory Bldg., preparing plans 2 story and basement private college, stone. $150,000. Owner's name withheld.

Pa., Waynesburg — GYMNASIUM — Waynesburg College, P. R. Stewart, pres., having preliminary plans prepared by W. Ullon, c/o Ullon & Reilly, 3 story, 90 x 190 ft. gymnasium. $200,000.

La., Shreveport—CHURCH—Kings Highway Christian Congregation, soon takes bids 2 story, rein.-con., brick and stone church. $250,000. Jones, Roessle, Olschner & Weiner, Maison Blanche Bldg., New Orleans, archts. Noted Apr. 9.

Tennessee—HIGH SCHOOLS—Jefferson Co. Bd. Educ., Dandridge, having plans prepared by Barber & McMurray, 425 West Clinch Ave., Knoxville, 4 new high school buildings, at Jefferson City, White Pines, New Market and Dandridge. $165,000.

O., East Liverpool—HIGH SCHOOL—City plans 2 story Junior High School, East End. $250,000.

O., Oxford — CHURCH and SUNDAY SCHOOL—First Presbyterian Church, having plans prepared by Howell & Thomas, 4500 Euclid Ave., Cleveland, 2 story and basement, concrete and stone, Main and Church Sts. $150,000.

Ill., Champaign—STUDENT CENTER—McKinley Foundation Corp., c/o J. W. Malone, pastor, 412 East Daniel St., having preliminary plans prepared 2 story and basement, rein.-con., brick and stone, on campus. $200,000.

Wis., Racine—HIGH SCHOOL—Election July 28, $900,000 bonds North and Southside High Schools, for Bd. Educ., A. H. Schafer, secy. Engineer and architect not selected.

S. D., Groton—SCHOOL—Defeated $133,450 bonds, for 2 story and basement, rein.-con. and brick school. E. A. McKiver, clk. Bd. Educ. Noted May 7.

Calif., Berkeley — UNIVERSITY — State plans election $3,000,000 bonds, for additional buildings at University of California, here.

BIDS DESIRED

Vt., Burlington—HIGH SCHOOL—June 10, by W. Fenton, School Com., Junior High School, 3 story, 80 x 120 ft. and 60 x 120 ft., brick and stone. $250,000. F. L. Austin, 240 College St., archt. Noted May 28.

Mass., Billerica—SCHOOL—School Comm. taking bids 2 story and basement, brick and stone, Talbot St. $150,000. J. H. Bickford Co., 6 Beacon St., Boston, archts. Noted Mar. 5.

Mass., Bridgewater—SCHOOL—June 5, by Dept. Educ., State House, Boston, State Normal School, 2 story and basement, brick, plain foundation, $500,000 and Training School, 2 story basement, brick, plain foundation, $150,000. G. Lowell, 12 West St., Boston, archt. Noted Jan. 8.

Mass., Lynn — CHURCH — Church of Incarnation, Broad St., taking bids 1 story and basement, brick and stone, plain foundation. $150,000. J. G. Trudinger, 35 Baltimore St., archt.

Conn., Bridgeport—SCHOOL—State Bd. Educ., State House, Hartford, taking bids 2 story and basement, 80 x 370 ft., brick and steel, Kossuth St. $200,000. E. B. Caldwell, Jr., 886 Main St., archt. Noted Jan. 15.

N. Y., Eltingville (Sta. Staten Island)—SCHOOL — June 18, by W. H. Gompert, supt. Bd. Educ., Flatbush Ave. extension and Concord St., Brooklyn, constructing P. S. 42, Richmond Ave., here, for Bd. Educ., 500 Park Ave., New York City.

Pa., Elwood City — HIGH SCHOOL — June 30, by W. G. Eckles Co., archt., New Castle, 3 story and basement, brick, tile and steel high school, here, for Bd. Educ. $200,000.

Pa., Pittsburgh—CHURCH—East End Christian Church, Alder St., and V. A. Rigamount, archt., State Theatre Bldg., soon lets contract 2 story and basement, brick and steel, Adler St. $400,000. Noted Apr. 2.

Md., Baltimore—SCHOOL—June 9, by L. R. White, archt., Hearst Tower, 2 story and basement, 67 x 100 ft. with 54 x 68 ft. wing, brick, plain foundation, Franklin Ave., for St. Anthonys School, Franklin Ave. west of Belair Rd.

La., Baton Rouge — DORMITORIES — June 12, by L. H. Himes, secy. building com. Louisiana State University, 4 story, brick dormitories. $100,000 each.

O., Piketown—HIGH SCHOOL—June 9, by Bd. Educ., J. A. Downing, clk., 2 story and basement, 100 x 120 ft., rein.-con. and brick high school. $150,000. F. J. Porter, Columbus, archt.

O., Steubenville—HIGH SCHOOL—Bd. Educ., W. S. McCauslen, clk., taking bids Grant Junior High School, brick, steel and concrete. Peterson & Clark, Steubenville, archts.

Mo., Kirksville—SCHOOLS—June 9, by C. F. Link, secy. Bd. Educ., two 2 story and basement, rein.-con., brick and stone grade schools. Thomas, McLennan & Thomas, 527 West 17th St., Des Moines, Ia., archts. Noted May 7.

Colo., Denver—SCHOOL—June 17, by Bd. Educ., School Administration Bldg., 4 story and basement, 68 x 123 ft., brick, rein.-con. and steel, 13th and Welton Sts. $150,000. F. Redding, Tabor Opera House Bldg., archt.

Colo., Longmont—HIGH SCHOOL—June 22, by W. N. Bowman, archt., Wyoming Bldg., Denver, 3 story, brick and rein.-con. high school with 65 x 240 ft., and 60 x 100 ft. wings, here, for School Dist. $220,000.

BIDS RECEIVED

Mass., Milton (br. of Boston) — HIGH SCHOOL — Town Building Com., 2 story

Buildings—Educational, Religious (Cont.)

and basement, 90 x 145 ft., brick and stone addition, Brooks Rd., from C. A. Batson Co., 26 Arlington St., Brockton.

Mass., South Attleboro—SCHOOL—City, R. R. Briggs, chn. com., general contract 2 story and basement, brick and stone, Washington St., from Brennan Henry Co., 82 Devonshire St., Boston, $148,300. Noted May 21.

Mass., Worcester—SCHOOL—City, J. B. Moss, chn. com., 5 story and basement, 52 x 180 ft., brick, limestone and steel addition to boys trade school, from E. P. Pitfield Co., 405 Main St., $90,807. Noted Mar. 19.

Conn., Southington (Hartford P. O.)—SCHOOL—School Com., Town Hall, general contract 2 story and basement, brick and steel, from C. F. Wooding & Co., 43 Wallace Ave., Wallingford, $123,644; plumbing and heating, from J. T. Kay Co., Meriden, 127,970. Noted May 28.

Pa., Reading — HIGH SCHOOL — Bd. Educ., and Superintendent Buildings, 3 story and basement, 152 x 360 ft., brick and steel, plain foundation, Oley and Palm Sts., from Melody & Son, 1322 Race St., $1,026,000; electrical work from C. McCaul Co., 1713 Sansom St., Phila., $45,900; plumbing, from Herre Bros., 7th and Emerald Sts., Harrisburg, $61,409; heating and ventilating, from N. Connolly, 1404 North 18th St., Phila., $146,446. Noted May 21.

O., Cleveland Heights (Warrensville P. O.)—SCHOOL—Bd. Educ., W. G. Nesbit, dir., 1781 Lee Rd., Cleveland, 2 story and basement, 33 x 179 ft., brick, steel and concrete addition, Noble Rd., here, from A. A. Lane Constr. Co., 1869 East 55th St., Cleveland, $123,086. Noted Mar. 5.

O., South Charleston—HIGH SCHOOL—Bd. Educ., May 15, 2 story and basement, about 57 x 128 ft., brick and concrete high school, from Chappelear & Gardner, Portsmouth, $111,249. Noted Apr. 23.

Tex., Houston — HIGH SCHOOL — Bd. Educ., c/o H. L. Mills, bus. mgr., 1600 Washington Ave., general contract Junior High School, 3 story, rein.-con., brick, steel and stone, Woodhead St. and Westheimer Rd., from J. T. Taylor, B. Burnett Bldg., Ft. Worth, $381,550; plumbing and heating, etc., from Warren Co., 1214 McKinney Ave., $28,687. Noted May 14.

Calif., Sacramento — COLLEGE — Sacramento Junior College Dist., general contract group of junior college buildings, from W. Keating, Forum Bldg., Sacramento, $299,900; plumbing, from Hateley & Hateley, Mitau Bldg., Sacramento, $25,854.

CONTRACTS AWARDED

N. H., Goffstown — HIGH SCHOOL — School Com., 2 story and basement, 40 x 110 ft., brick, Independent School Dist., to Davison & Swanberg, 57 Amherst St. Archts. est. $150,000.

Mass., Acton—SCHOOL—Town, E. Hall, chn. com., 2 story and basement, 80 x 122 ft., rein.-con. and brick, Massachusetts Ave., to Duncan Constr. Co., 31 Exchange St., Lynn. Archts. est. $150,000. Noted May 14.

Mass., Danvers — REFECTORY — St. Johns Preparatory School, 2 story and basement, 80 x 182 ft., brick and steel, plain foundation, to J. F. Griffin Co., 15 Exchange St., Boston. Archts. est. $150,000. Noted Apr. 30.

Mass., Milton—HIGH SCHOOL—Town of Milton, J. F. Mitchell, chn. Bd. Selectmen, 2 story and basement, 10,000 sq.ft. floor space, brick and stone, addition, plain foundation, Brook Rd., to C. A. Batson, 26 Arlington St., Brockton. Archts. est. $150,000. Noted May 7.

N. Y., Brooklyn — MONASTERY — Our Lady of Mt. Carmel, c/o N. Serracino, archt. and engr., 565 5th Ave., New York City, brick, steel and stone, plain foundation, St. Johns Pl. between Bedford and Rogers Aves., to J. Kennedy & Co., 1133 Bway., New York City, $238,400.

N. Y., Brooklyn—SYNAGOGUE—Union Temple, Bedford and Lafayette Aves., brick, steel and stone, plain foundation, Eastern Parkway and Plaza St., to J. H. Taylor Constr. Co., 31 Union Sq., New York City. Archts. est. $500,000.

N. Y., East Islip—SCHOOL—Bd. Educ., 3 story, 124 x 143 ft., brick, steel and stone, plain foundation, to Pearce Bros., 220 West 42nd St., New York City. Archts. est. $260,000.

N. J., Jersey City—CHURCH—Simpson and Grace Methodist Episcopal Church, 150 Magnolia Ave., 2 story, brick, steel and stone, plain foundation, Boulevard and Tonnelle Ave., to E. M. Johnson, 198 Lexington Ave. Archts. est. $300,000. Noted Apr. 23.

Pa., Greensburg—SCHOOL—Bd. Educ., 3 story and basement, 145 x 290 ft., brick and steel school, to Natl. Concrete Fireproofing Co., Union-Mortgage Bldg., Cleveland, O., $436,000; swimming pool, to Hasbrouch Co., 299 Madison Ave., New York City, $18,235.

Pa., Homestead—CHURCH and SCHOOL—St. Michaels Roman Catholic Congregation, general contract 2 story and basement, 90 x 103 ft., limestone and brick, 9th and Library Sts., to E. Wehr, 625 Hiland Bldg., Pittsburgh. Archts. est. $150,000. Noted May 28.

Pa., Milton—CHURCH—Zion Lutheran Congregation, general contract 2 story and basement, 30 x 140 ft., brick, tile and stone, to Berwick Lumber & Supply Co., Berwick, $115,000. Noted Jan. 8.

Pa., Pittsburgh — SCHOOL — Bd. Educ., Fulton Bldg., general contract 3 story and basement addition to Gladstone School, to Pittsburgh Eng. & Constr. Co., Homewood Ave., $345,943; plumbing, to G. H. Soffel Co., 127 4th Ave., $37,560; heating and ventilating, to Steel City Heating & Plumbing Co., 627 Dusquesne Way, $54,832.

Pa., Point Marion—SCHOOL—Bd. Educ., general contract 2 story and basement, brick, steel and concrete school, to Coombs & Baker Constr. Co., Morgantown, W. Va. Archts. est. $175,000. Noted May 7.

O., New Lexington—HIGH SCHOOL—O. N. Stung, clk. Bd. Educ., May 12, 3 story and basement, 200 x 200 ft., rein.-con. and brick high school, to Chappelear & Gardner, Portsmouth, $156,110.

Mo., Kansas City — CHURCH — Sixth Church of Christ Sciences, 2 story and basement, 106 x 111 ft., native and cut stone church, to Lishear-Owens Constr. Co., 447 East 55th St. Archts. est. $225,000. Noted Mar. 19.

Mo., Kansas City — HIGH SCHOOL — C. A. Smith, archt., 800 Finance Bldg., R. A. Long High School, 4 story and basement, 66 x 219 ft., brick and stone, to Collins Bros., 1600 Grand Ave., for Bd. Educ. $291,475.

Calif., Compton—ADMINISTRATION—Compton Union High School Dist., general contract 2 story, 188 x 220 ft., brick, administration building, to Davison & Thompson, 361 Walnut Ave., Long Beach, $252,847. Noted May 77.

Ont., Toronto — CHURCH — St. Peters Roman Catholic Church, Bathurst St., general contract 1 story and basement, 85 x 160 ft., rein.-con., brick and steel, plain foundation, to H. N. Dancy & Son, 22 College St. Archts. est. $175,000. Noted Apr. 23.

Federal Government Work

BIDS DESIRED

Mass., Lowell—Post Office—July 3, by Treas. Dept. at office Supervising Archt., Wash., D. C., extending post office, here.

Mass., Lynn—Remodeling—July 2, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling post office, here.

Mass., Nantucket—Jetty—June 26, by U. S. Engineer Office, Providence, R. I., repairing east jetty at Nantucket Harbor, here.; adv. E. N.-R. June 4.

R. I., Providence—Remodeling—July 9, by Treas. Dept. at office Supervision Archt., Wash., D. C., remodeling and enlarging post office, court house, and custom house, here; adv. E. N.-R. June 4.

Conn., Bridgeport—Dredging—July 3, by U. S. Engineer Office, Providence, R. I., dredging in Bridgeport Harbor, here; adv. E. N.-R. June 4.

N. Y., Brooklyn—Paving—Spec. 5115—June 17, by Bureau Yards & Docks, Navy Dept., Wash., D. C., concrete paving, etc., at Naval Hospital, here; adv. E. N.-R. June 4.

N. Y., New York—Remodeling—July 1, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling barge office, here.

Pa., Phila.—Remodeling—Spec. 5123—June 17, by Bureau Yards & Docks, Navy Dept., Wash., D. C., remodeling building, here.

Pa., Phila.—Paving—Spec. 5109—June 17, by Bureau Yards & Docks, Navy Dept., Wash., D. C., concrete paving at Naval Home, here.

D. C., Wash.—Water System—Spec. 5104—June 17, by Bureau Yards & Docks, Navy Dept., addition to water system, here. Noted May 28.

Va., Quantico—Dredging—Spec. 5125—June 22, by Bureau Yards & Docks, Navy Dept. Wash., D. C., dredging at Marine Barracks, here.

S. C., Parris Island—Boilers—Spec. 5118—June 17, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing boilers, etc. at Marine Barracks, here; adv. E. N.-R. June 4.

S. C., Parris Island—Power Plant Equipment—June 22, by Bureau Yards & Docks, Navy Dept., Wash., D. C., power plant equipment, at Marine Barracks, here; adv. E. N.-R. June 4.

Fla., Jacksonville—Pipe Line Dredge—June 19, by U. S. Engineer Office, Room 2805, Munitions Bldg., Wash., D. C., steam driven 20 in. pipe line dredge; adv. E. N.-R. June 4.

Montana—Road—June 11, by Bureau Pub. Rds., 607 Smead Simond Bldg., Missoula, improving 6.25 mi. Fortine-Olney Sect. Natl. Forest Rd., Flathead Co.; and 3.4 mi. Yellowstone Trail, Crystal Springs Sect. Natl. Forest Rd., Mineral Co.

Montana — Road — June 12, by Bureau Pub. Rds., 605 Smead-Simons Bldg., Missoula, improving 8.8 mi. Y. G. B. line highway, Kibby Canyon, Riceville, Cascade Co.; also 6.6 mi. West Gallatin Park Boundary Sect., Natl. Forest Rd., Gallatin Co.

Ark., Hot Springs—Addition—June 11, at office Constructing Quartermaster, Army and Navy General Hospital, additions to mess hall, library, and new cold storage and laboratory.

Idaho—Road—June 12, by Bureau Pub. Rds., 316 Post Office Bldg., Portland, Ore., grading, etc., 2.9 mi. Elk City Highway, Cougar Creek Sect., Idaho Co., here.

Washington—Roads—June 11, by C. H. Purcell, dist. engr. Bureau Pub. Rds., 316 Post Office Bldg., Portland, Ore., grading and crushed gravel surfacing 4,200 cu.yd. Olympic Highway, May Creek Sect., Jefferson and Clallam Counties, here. C. H. Purcell, dist. engr.

Oregon—Roads—June 11, by C. H. Purcell, dist. engr. Bureau Pub. Rds., 316 Post Office Bldg., Portland, grading and crushed gravel surfacing 13.9 mi. Scottsburg-Reedsport Natl. Forest Rd., Douglas Co. C. H. Purcell, dist. engr.

Oregon—Road—June 11, by Bureau Pub. Rds., 316 Post Office Bldg., Portland, surfacing Prairie City-Unity Sect., Grant and Baker Counties.

Oregon—Road—June 12, by Bureau Pub. Rds., 316 Post Office Bldg., Portland, improving Dalles-California Natl. Forest Rd., Klamath Co.

Oregon—Roads—June 12, by C. H. Purcell, dist. engr. Bureau Pub. Rds., 316 Post Office Bldg., Portland, crushed gravel or crushed rock surfacing 5.4 mi. Waldo-State line Natl. Forest Rd., Josephine Co.; and grading and crushed rock surfacing 11.35 mi. Alsea River-Scott Creek Natl. Forest Rd., Lincoln Co. C. H. Purcell, dist. engr.

BIDS RECEIVED

S. C., Parris Island—Monument—Spec. 5114—Bureau Yards & Docks, Navy Dept., Wash., D. C. monument at Fort Charles, here, from McNeel Marble Co., Marietta, Ga., $5,350. Noted May 14.

Fla., Lake City—Hospital—U. S. Veterans Bureau, Room 791 Arlington Bldg., Wash., D. C., mess hall, kitchen and garage, at State Hospital 63, here, from B. L. Lucas Co., Raeford, N. C., $103,495. Noted Apr. 30.

Fla., Pensacola — Waterworks — Spec. 5054—Bureau Yards & Docks, Navy Dept., Wash., D. C., waterworks system, here, from J. B. McCrary Co., 1408 Citizens Bank Bldg., Atlanta, Ga., **(1)** $138,678, **(1a)** $145,392 **(1b)** $125,560 **(2)** $83,421 **(3)** $28,400 **(4)** $26,857 **(4a)** $33,571 **(4b)** $13,739 **(5a)** $31.50 **(5b)** $12. **(5c)** here, $6.80 **(6a)** $39.30 **(6b)** $15.10 **(6c)** $8.50 **(7)** $15.25 **(8)** deduct $4,800 **(9)** deduct $2,900 **(10)** $1,015. Noted May 14.

Mich., Detroit — Boring — U. S. Lake Survey Office, Old Customhouse, borings in St. Lawrence River, from Clarke Bros., Maysville, Ky., $33,185. Noted Apr. 2.

CONTRACTS AWARDED

N. Y., Brooklyn — Water Tank — Spec. 5090—Bureau Yards & Docks, Navy Dept., Wash., D. C., sprinkler system, here, to Austin Eng. Co., 121 West 42nd St. New York City, $9,619 (120 days). Noted May 28.

N. Y., Brooklyn—Wharf Repairs—Spec. 5080—Bureau Yards & Docks, Navy Dept., Wash., D. C., wharf repairs, here, to General Contg. & Eng. Co., 40 Rector St., New York City, $11,011, (75 days). Noted May 28.

Tenn., Memphis—Rip Rap—Mississippi River Dist., Comn., 1006 McCall Bldg., 12,000 cu.yd. rip rap, to A. Stone Co., Nellys, Mo., $17,400

Federal Government Work (Continued)

Ky., Louisville—Metal Work—U. S. Engineer Office, P. O. Box 72, metal work for Beartrap Weirs, for Dam 45, Ohio River, Lots A, C and D, to J. and J. B. Milholland Co., 714 5th Ave., Pittsburgh, Pa., $5,029, Lot B, to Amer. Car & Fdry. Co., Jeffersonville, Ind., $14,589. Noted May 21.

Ky., Louisville — Steel, etc. — U. S. Engineer Office, P. O. Box 72, structural steel, etc. for Dam 53, to C. Hegewald Co., New Albany, Ind., Lots A and B $12,789; to Amer. Car & Fdry. Co., Jeffersonville, Ind., Lots C and E $8,355; to J. and J. B. Milholland Co., 714 5th Ave., Pittsburgh, Pa., Lots D and F $2,445. Noted Apr. 30.

Ill., Rock Island—Towboat—U. S. Engineer Office, one steel hull for towboat Ellen, to Dravo Contg. Co., 302 Pennsylvania Ave., Pittsburgh, Pa., $29,675. Noted Apr. 23.

Unclassified

PROPOSED WORK

Playground—Somerville (Boston P. O.)—**Mass.**—Plans playground, Oliver and Glen Sts. $25,000. Engineer not selected.

Park—Newport, R. I.—Plans constructing Miantonomi Park and Tower as War Memorial. $60,000 funds to be raised by public subscription. Engineer not selected.

High Tension Line—Sharon, Pa.—Pennsylvania Ohio Power & Light Co., Sharon, plans high tension electric line, 10,000 kw. capacity.

Transmission Line — Georgia — Ware County Light & Power Co., Waycross, plans power line from Waycross to Blackshear. $35,000. F. C. Landers, Waycross, mgr.

Automobile Speedway—Tampa, Fla.—Tampa Speedway & Amusement Co., plans wood and steel tracks and grandstands for 1.25 mi. automobile speedway. $650,000. Address R. E. Hall, Court House, Miami.

Amusement Park—Detroit, Mich.—Michigan State Fair Assn., G. W. Dickinson, Secy., 815 Farwell Bldg., having tentative plans prepared by L. W. Fry, Ann Arbor, constructing amusement park, incl. swimming pool, etc. $400,000.

Generating Unit—Racine, Wis.—Bd. Pub. Wks., H. Nelson, comr., making plans additional generating unit to supply energy for street lighting. Alvord, Burdick & Howson, 8 South Dearborn St., Chicago, Ill., engrs.

Playgrounds—Boonville, Mo.—Election soon $25,000 bonds, playgrounds, etc.

Aviation Field—North Kansas City, Mo.—Aviation Com. of Chamber of Commerce, Kansas City, P. G. Hillgardner, chn., making plans grading and shaping portions 300 acre tract for aviation field, constructing as many metal hangars as are deemed necessary, 10th St. and Missouri River, here. Holden, Ferris & Barnes, 1016 Baltimore Ave., Kansas City, engrs.

Land Development—Wichita Falls, Tex.—W. B. Hamilton & N. H. Martin, Wichita Falls, plan developing residential district along Wichita Valley R.R. tracks south of here. $40,000. Hare & Hare, Huntzinger Bldg., Kansas City, Mo., engrs.

Gas Line — Oklahoma — J. Pfolzgraf, Potean, plans 75,000 ft. 4 in. gas line from Potean to Heavener, and a distribution system at Heavener. $35,000.

Transmission Line—Oklahoma—City of Hastings voted $250,000 bonds, 17 mi. 13,200 volt transmission line from Walters to Hastings, and distribution system at Hastings. Engineer not selected.

Transmission Line Material—Vici, Okla.—Town of Vici election June 9, $100,000 bonds, for high line from Leedey. Gantt Baker Co., 1116 West Main St., Oklahoma City, engrs.

Swimming Pools—Los Angeles, Calif.—See "Buildings—Commercial."

Tunnel—Los Angeles, Calif.—See "Streets and Roads."

Gas Main—Vallejo, Calif.—Pacific Gas & Electric Co., Pacific Gas & Electric Bldg., San Francisco, appropriated $30,000 funds high pressure gas main from here to Mare Island Navy Yard. Private plans.

Power Distribution — Grimsby, Ont. — Plans hydro-electric lighting power distribution system. $50,000.

BIDS DESIRED

Heating and Ventilating — Bridgewater, Mass.—June 5, by Dept. Educ., State House, Boston, separate bids heating and ventilating, plumbing and electrical work in training school building, here, $25,000; heating and ventilating system in State Normal School, here, $45,000. G. Lowell, 12 West St., Boston, archt.

Subway—New York, N. Y.—June 12, by Bd. Transportation, 49 Lafayette St., constructing Route 78, Sect. 2, in Central Park West from 89th to 100th Sts.

Transmission Line—Bryson City, N. C.—June 8, by Bd. Aldermen, H. Kephart, chn., constructing 5.34 mi. transmission line, incl. 32 acres clearing, 120 poles 35 ft. long, 40 poles 40 ft. long, 5.34 mi. wire 3 phase, 23,000 volt etc.

Retaining Wall—Sanford, Fla.—June 15, by City Comn. 4,065 lin.ft. concrete sheet pile retaining wall, for East Side Bulkhead Dist., 2,000 cu.yd. concrete, 377,000 lbs. reinforcing bars, 325,000 cu.yd. sand fill. $100,000. W. B. Williams, city mgr.

Turbine, Generator, etc.—Janesville, Wis.—Mead & Seastone, engrs., Journal Bldg., Madison, taking bids 1 new vertical unit, 240 hp. turbine direct connected to one 200 kva. generator, governor, etc., for plant, here, for Wisconsin Power & Light Co., Gay Bldg., Madison.

Bulkhead—Port Washington, Wis.—See "Sewers."

Foundations — Sioux City, Ia. — See "Buildings—Industrial."

Grain Elevator—Houston, Tex.—June 18, by H. L. Washburn, aud. Harris Co., 1,200,000 bu. grain elevator, main building, 62 x 142 ft., 94 ft. high, incl. 56 rein.-con. bins, 99 ft. high, 17 ft. diam., rein.-con. and steel, for Turning Basin & Navigation Dists. $1,000,000. J. S. Metcalf, 108 South La Salle Bldg., Chicago, Ill., and J. A. Schiller, Court House, Houston, engrs.

Breakwater—Long Beach, Calif.—June 26, at office C. H. Windham, city mgr., 6,984 lin.ft. rubble mound breakwater, 4,242 lin.ft. rubble mound moles and 2,028 lin. ft. rubble mound bulkhead. E. N. Johnson, consult. engr.

Lighthouse—Leamington, Ont.—June 14 by Dept. Marine & Fisheries, Ottawa, light house, incl. cribwork pier, 70 x 70 ft. o. pile foundation, rein.-con. superstructure, 30 x 30 ft. combined fog alarm and dwelling. $100,000. L. E. Cote, c/o owner, engr.

BIDS RECEIVED

Station Finish—New York, N. Y.—Bd. Transportation, 49 Lafayette St., May 27, station finish at 5th Ave. Sta., from Werner-Mitchell Co., 1 De Kalb Ave., Brooklyn, $118,500. Noted May 28.

Swimming Pool—Erie, Pa.—See "Buildings—Commercial"

Sea Wall—Gulfport, Miss.—Bd. Supervs. Harrison Co., May 27, 14 mi. sea wall along gulf coast, from McDougall Constr. Co., Atlanta, Ga., $1,956,439; Wood Bros. Constr. Co., Lincoln, Nebr., $1,992,175. Noted May 7.

Stadium—Madison, Wis.—W. R. Winckler, city clk., May 22, rein.-con. and steel stadium at Stevens Athletic Field, from G. Nelson, 1117 West Johnson St., $45,654. Engrs. est. $50,000. Noted May 14.

Bracket Lights—St. Paul, Minn.—H. W. Austin, city purch. agt., 224 400 candlepower bracket lights on standard trolley poles in West 7th St. between Seven Corners and Tuscarora Ave., from Acme Electric Co., 1085 West 7th St., $53,334.

Pipe Line—Texas—United Central Oil Corp., Laredo and Mirando, making plans 90 mi. 6 in. oil line from Mirando oil fields to point on coast. $500,000. Private plans.

Plumbing and Heating—Houston, Tex.—See "Buildings—Educational, Religious."

Street Lighting System—Oakland, Calif.—Ornamental lighting system around Lake Merritt, from Central Electric Co., 179 Minna St., San Francisco, $64,500. Noted May 21.

CONTRACTS AWARDED

Playground — Lowell, Mass. — Bd. Park Comrs., J. W. Kerman, chn., City Hall, constructing and developing Shedd Park as public park and playground, to F. F. Meloy, Wyman's Exch. Bldg., $67,759.

Borings—New York—Bd. Transportation, 49 Lafayette St., borings along Cranberry and Clinton Sts., etc., in Brooklyn Boro, and along Van Alst, Nott and Jackson Aves., in Queens Boro, Agreement "DU," to Osborne Drilling Co., 120 Liberty St., New York City, $30,058. Noted May 28.

Athletic Field and Field House—Brooklyn, N. Y.—Bd. of Educ., 500 Park Ave., New York City, athletic field and field house, Pennsylvania and New Jersey Aves., at Thomas Jefferson High School, here, to Hayson Constr. Co., Arverne, $139,247. Noted Apr. 23.

Bulkhead, etc. — New York, N. Y. — M. Cosgrove, comr. Docks, Pier A, (1) removing existing old structures (2) dredging and disposal of material (3) new bulkhead platform with wall (4) riprap for bulkhead (5) platform for East 139th and 140th Sts. dump, Contr. 1852-A, to A. M. Hazell, Inc., 26 Cortlandt St. (1) $1,275; to H. Steers Inc., 17 Battery Pl., (2) $31,900 (4) $10,800 (5) $90,845; to A. N. Spooner, Pier 11, North River, (3) $40,270. Noted May 21.

Subway — New York, N. Y. — Bd. Transportation, 49 Lafayette St., Washington Heights subway in Central Park West between 78th and 88th Sts., to A. A. Johnson Corp., 3rd St. and West Ave., Long Island City, $3,651,000; installing tracks, etc., for portion of 148th St. and Lenox Ave., Yard, to McElroy & Kerwin, 316 Flatbush Ave., Brooklyn, $73,915. Noted May 21 and 28.

Swimming Pool—Greensburg, Pa.—See "Buildings—Educational, Religious."

Hydro-Electric Development — Saluda, N. C.—Blue Ridge Power Co., Spartanburg, S. C., hydro-electric development, incl. arch concrete dam 172 ft. high, 7,600 ft. and 6,600 ft. tunnels, power house substructure, etc., to Rinehart & Dennis Co., Inc., Natl. Bank Bldg., Charlottesville, Va., est. $2,000,000. Noted Jan. 22.

Swimming Pool—Anderson, Ind.—City, 120 x 240 ft., swimming pool, rein.-con., to T. P. Kelly & Sons, Anderson, $66,000.

Transmission Line—Wisconsin—Wisconsin Power & Light Co., Gay Bldg., Madison, will build transmission line between Dalton and Montello, by day labor. $50,000. Private plans.

Stadium—Des Moines, Ia.—Drake University, 25th and University Sts., general contract 2 story and basement, 150 x 212 ft., rein.-con. stadium, on campus, to C. Weitz Sons, 715 Mulberry St., $203,387. Noted May 28.

Oil Pipe Line—Arkansas—Standard Pipe Line Co., Reymond Bldg., Shreveport, La., will build 90 mi. 10-in. oil pipe line with 6 intermediate stations between Smackover and Grandover, by day labor.

Pipe Line—Texas—Houston Pipe Line Co., c/o C. B. McKinney, genl. mgr., Houston, 96 mi. 16 and 18 in. gas pipe line from Live Oak Co. to Edna, and 54 mi. 12¾ in. branch line from Edna to Gulf, to E. A. MacPherson, Ft. Worth, approximately $3,600,000.

Wharf Improvements—Galveston, Tex.—Galveston Wharf Co., 2324 Ave. B, will build new rein.-con. piers and addition to shed on Wharf 27, by day labor. Approximately $25,000. R. Siers, 2324 Ave. B, engr.

Transmission Line — Oklahoma — Oklahoma Gas & Electric Co., 112 North Bway, Oklahoma City, will build 20 mi., 13,200 v. electric transmission line from Meeker to Harrah, by day labor. $40,000. Byllesby Eng. Co., 231 South La Salle St., Chicago, Ill., engrs.

Arena — San Francisco, Calif. — Mission Athletic Club, c/o Powers & Ahnden, archts., 460 Montgomery St., fight arena, rein.-con., Mission St., to Cahill Bros., 55 New Montgomery St., approximately $250,000.

Materials

PROPOSED WORK

Road Oil—Minneapolis, Minn.—A. P. Erickson, aud. Hennepin Co., soon takes bids 200,000 gal. road oil. Former bids rejected.

BIDS DESIRED

Paving Blocks—New York, N. Y.—June 9, by Bd. Purchase, granite and creosoted wood paving blocks, to Dept. Plants & Structures.

Roofing Materials, etc.—New York, N. Y.—June 12, by J. E. Bowe, comr. Purchase, Municipal Bldg., roofing, highway and building materials to Police Dept., Depts. Correction, Parks, Plants & Structures, Water Supply, Gas & Electricity.

Ties and Timber — New York, N. Y. — June 12, by Bd. Transportation, 49 Lafayette St., ties and timber for Westchester Ave. Yard.

Asphaltic Oil, etc.—Trenton, N. J.—June 15, by State Hy. Dept., Trenton, 137,385 gal. asphaltic oil, and 332,210 gal. lignin binder. A. L. Grover, secy.; adv. E. N.-R. June 4.

Asphalt—Cleveland, O.—June 10, by Bd. Comrs. Cuyahoga Co., 900 tons Kentucky rock asphalt.

CONTRACTS AWARDED

Road Oil—Hartford, Conn.—City, 300,000 gal. 45 per cent and 30,000 gal. 65 per cent asphaltic base road oil in tank cars, f.o.b. Hartford, to Alden, Speares & Sons Co., 156 6th St., Cambridge, Mass., $0.66 and $0.69 per gal. respectively. Noted May 7.

Road Materials, etc.—Newton, N. J.—Bd. Freeholders Sussex Co., 10,000 gal. tarvia, to Dosch King Co., Montclair, $1,467; 5,000 gal. asphaltic oil, to Franklin Contg. Co., 20 Washington Pl., Newark, $885; 532 ft. corrugated pipe, to Good Roads Mchy. Co., 50 Church St., New York City, $479; 75 tons calcium chloride, to Dow Chemical Co., 90 West St., New York City, $2,085.

Road Oil — St. Paul, Minn. — Supervs. Ramsey Co., 300,000 gal. road oil, to W. H. Barber Co., 1501 Franklin Ave. S. E., Minneapolis, $18,630.